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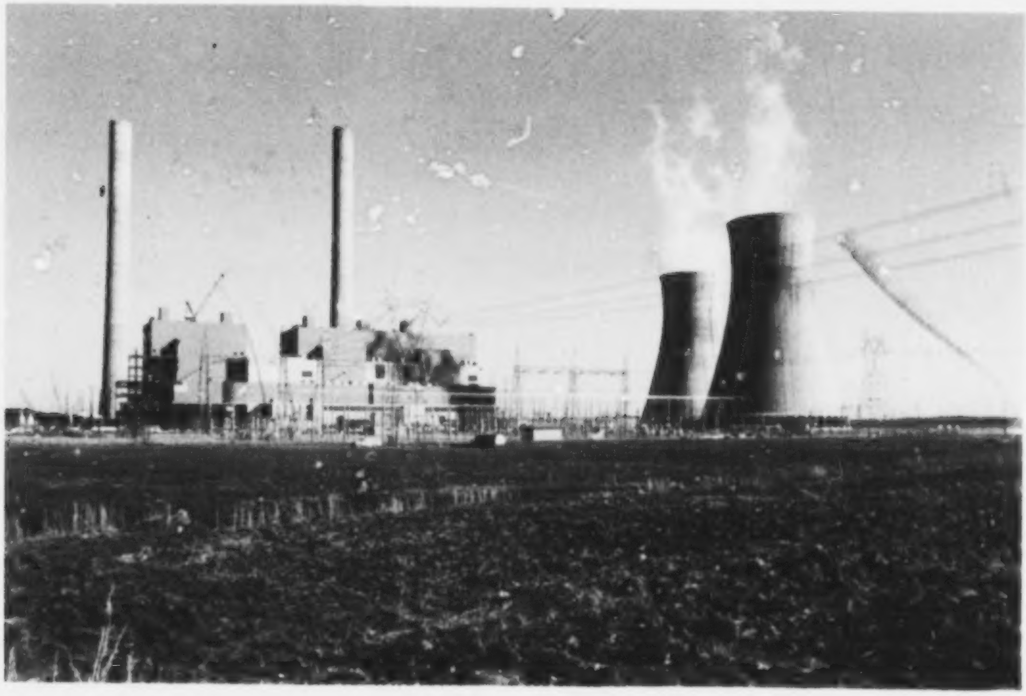
Energy Information Administration

Cost and Quality of Fuels for Electric Utility Plants 1988



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Cover Photo

The Georgia Power Company's Scherer plant, a bituminous coal-fired plant with a generator nameplate capacity of 2,600 megawatts.

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Executive Summary

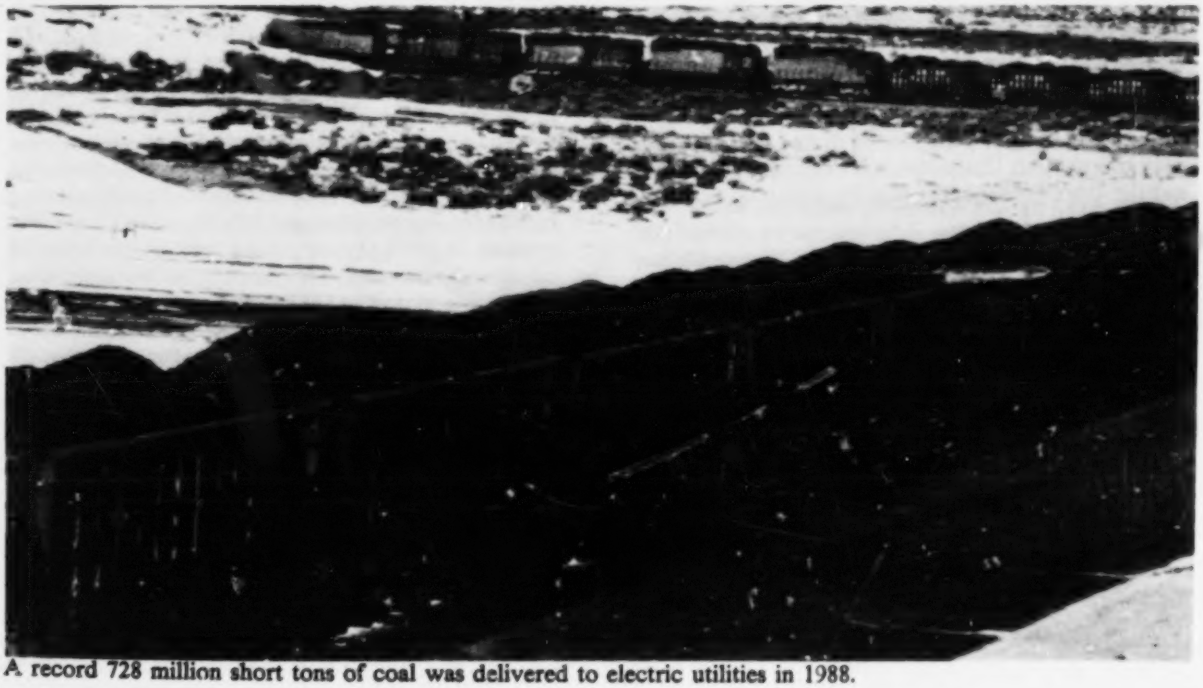
Highlights

In 1988, electric utilities received a record 728 million short tons of coal, an increase of over 6 millions short tons from 1987. Contributing to this record demand for coal was a large increase (6 percent) in coal consumption. Receipts of petroleum at electric utilities in 1988 totaled 237 million barrels, a 22-percent increase from the 195 million barrels reported last year. A significant decrease in the price of petroleum led to greater use of fuel oil by electric utilities. Receipts of gas at electric utilities in 1988 totaled 2,363 billion cubic feet, a decrease of 242 billion cubic feet (9 percent) from 1987. Because of lower petroleum prices, fuel oil was an attractive alternative to gas for electric utilities capable of burning either fuel.

Coal

Receipts of coal at electric utilities in 1988 increased 1 percent from 1987. This increased demand can be attributed to increased sales of electricity (caused by higher growth in industrial output, a warmer-than-normal summer, and a a colder-than-normal winter). In addition, deliveries of coal were made to three large coal-fired units that began commercial operation in 1988. Due to these factors, electric utilities consumed a record amount of coal in 1988. Consumption of coal at electric utilities increased from 718 million short tons in 1987 to 758 million short tons in 1988, an increase of 40 million short tons. Stocks of coal at electric utilities at year-end 1987 had a major effect on receipts of coal in 1988. In 1987, as a precaution against a possible strike by the United Mine Workers (UMW), electric utilities increased their stockpiles of coal. Year-ending 1987 stocks of coal were an unusually high 171 million short tons, about 9 million tons higher than 1986. Rather than purchase additional coal to replace coal being consumed, many electric utilities allowed their coal stockpiles to decrease to more normal levels. Electric utilities received a record 728 million short tons of coal in 1988, while year-ending stocks of coal decreased to 146 million short tons, 14 percent less than year-ending 1987 stocks.

Many eastern States reported decreases in coal receipts, while most western States reported large increases. Many electric utilities located in the eastern United States had high inventories of coal stocks and, therefore, made a concerted effort to reduce their stocks through limited purchases and deliveries of coal. States



A record 728 million short tons of coal was delivered to electric utilities in 1988.

with a major reduction in receipts of coal include Pennsylvania, Illinois, Indiana, Michigan, Ohio, Georgia, Virginia, West Virginia, Kentucky, and Tennessee.

In 1988, several electric utilities reported notable increases in receipts of coal. The Jacksonville Electric Authority reported receipts of almost 3 million short tons at the St. Johns River coal-fired plant. This increase of 1 million short tons was required to fuel the 629-megawatt unit No. 2, which began commercial operation in May 1988. The Lower Colorado River Authority reported receipts of coal of almost 6 million short tons at its Sam Seymour coal-fired plant. This 28-percent increase in coal receipts was required to fuel Unit No. 3, which began commercial operation in April 1988. Because of an increase in generation at the coal-fired Colstrip Plant, the Montana Power Company had a 40-percent increase in receipts of coal in 1988. That increase represented 3 million short tons of coal. Receipts of coal at the Pacific Power and Light Company totaled 19 million short tons, increasing 18 percent from the 16 million short tons reported in 1987. The Otter Tail Power Company reported a substantial increase in receipts of coal. Receipts totaled 2 million short tons this year, compared with less than 1 million short tons last year. Nearly all of the increase occurred at the lignite-fired Big Stone Plant, which was returned to service after a forced outage in 1987. Coal receipts at Western Farmers Electric Cooperative, Incorporated increased almost 1 million short tons (77 percent) from 1987. The Hugo Plant recovered from a major outage in 1987 and ran at full capacity for most of 1988. Other electric utilities reporting higher receipts in 1988 than in 1987 include the Cajun Electric Cooperative (Louisiana), Northern States Power Company (Minnesota), Union Electric Company (Missouri), and the Utah Power and Light Company.

In 1988, several electric utilities, in the eastern United States, reported substantial decreases in receipts of coal from the level purchased in 1987. Most notable was the Tennessee Valley Authority (TVA). The TVA reported receipts of 33 million short tons, down 8 percent from the 36 million tons received in 1987. Nonetheless, consumption of coal by the TVA increased in 1988, reflecting the reduction of their year-end stocks of coal by over 3 million short tons. It should also be noted that the TVA's nuclear plants are being gradually returned to commercial operation, which should have a significant effect on future requirements for coal. Another example of lower coal receipts is the Virginia Electric and Power Company (VEPCO), which reported receipts of coal totaling 9 million short tons in 1988, a decrease of 15 percent from 1987. Although coal receipts at VEPCO were down, its consumption of coal increased in 1988. This occurred because the utility reduced its existing coal stocks by 41 percent during 1988 (just over 1 million short tons). The Appalachian Power Company also reported receipts of coal of 9 million short tons, a decrease of 3 million short tons (25 percent) from 1987. Again, inspite of a decrease in coal receipts, this utility reported increased consumption of coal, reflecting a reduction (2 million short tons) in their year-end stocks of coal. The Monongahela Power Company reported coal receipts of over 10 million short tons, 18 percent less than in 1987. Consumption of coal decreased slightly, while year-end stocks of coal were reduced by over 1 million short tons (42 percent). Other electric utilities that reported decreases in receipts of coal and significant reductions in year-end coal stocks included the Carolina Power and Light Company, Cleveland Electric Illuminating Company, Dayton Power and Light Company, Georgia Power Company, Illinois Power Company, Indianapolis Power and Light Company, Kentucky Power Company, Louisville Gas and Electric, New York State Electric and Gas Corporation, Ohio Power Company, and the Ohio Valley Electric Corporation.

The average delivered price of coal to electric utilities in 1988 was $30.64, a decrease of 4 percent from the $31.83 reported in 1987. The average price of coal purchased under contract was $30.86 per short ton, a decrease of $1.15 per short ton (4 percent) from the $32.01 per short ton reported in 1987. Coal purchased in the spot market averaged $29.30 per short ton, decreasing $1.56 (5 percent) from 1987 levels. Many of the same factors that were responsible for a decrease in the price of coal in 1987 contributed to a decline in prices in 1988. Among these were buy-outs and renegotiations of high-priced coal contracts, renegotiation of rail contracts for hauling coal, and excess production capacity within the coal industry.

The delivered price of coal at individual electric utilities varied considerably in 1988. Minnkota Power Cooperative (North Dakota) reported a delivered price of 48.6 cents per million Btu ($6.52 per short ton) for coal delivered to the lignite-fired Young Plant, while Commonwealth Edison Company (Illinois) and Tucson Electric Power Company (Arizona) each reported an average delivered price of 264.8 cents per million Btu ($54.54 per short ton).

Several electric utilities reported notable changes in the delivered price of coal in 1988, compared with 1987. Cajun Electric Power Cooperative reported a delivered price of $24.42 per short ton for coal delivered to its Big Cajun No. 2 Plant, a decrease of 15 percent from the $28.70 reported in 1987. In addition to lower costs for contract coal, the company purchased nearly 1 million tons of coal in the spot market at prices considerably below its average delivered contract price. The Grand River Dam Authority (GRDA) reported a delivered price of $17.38 per short ton for coal, 28 percent less than the $24.17 per short ton reported in 1987. The GRDA renegotiated a more favorable rail contract for transporting coal from Wyoming and obtained a reduction in the price of coal from a supplier. Hoosier Energy Rural Electric Cooperative Incorporated, reported a 27-percent decrease in the delivered price of coal to the Merom plant. The company was able to reduce the average price of its contract coal from $36.47 per short ton in 1987 to $28.54 per short ton in 1988. Increased purchases of low-cost spot market coal also led to a reduction in the average delivered price of coal. The price of coal delivered to the Montana Power Company decreased from $11.00 per short ton in 1987 to $9.19 per short ton in 1988. The company received contract price reductions from its suppliers. Other electric utilities reporting significantly lower costs for coal in 1988 compared with 1987 include Arizona Electric Power Cooperative, $40.77 per short ton compared with $49.35 per short ton; Empire District Electric Company, $23.86 compared with $28.08; Indianapolis Power and Light, $24.38 compared with $27.15; Plains Electric Generating and Transmission Cooperative, $25.62 compared with $31.46; and Southern Illinois Power Cooperative, $16.48 compared with $20.72.

Electric utilities that reported considerable increases in the price of coal include the Central Operating Company (West Virginia), which reported an average delivered price of $41.49 per short ton in 1988 compared with $33.76 in 1987. Most of this utility's coal was purchased under contract in 1988 rather than on the less-expensive spot market in 1987. The price of coal delivered to the Salt River Project (Arizona) increased from $24.74 per short ton in 1987 to $26.89 per short ton in 1988, due to increased royalty payments to the Navajo Indian Tribe for coal purchased from the Keyenta mine. The Deseret Generating and Transmission Cooperative reported a delivered price of $53.39 per short ton in 1988, compared with $44.08 per short ton in 1987. Expenses for new equipment at the company's Deserado mine resulted in higher total costs of coal. Among other utilities reporting higher delivered coal costs in 1988 than in 1987 were Gulf States Utilities Company, Indiana and Michigan Electric Company, City of Los Angeles, Philadelphia Electric Company, Southwestern Electric Power Company, and West Texas Utilities Company.

Coal Imports

In 1988, electric utilities imported 1.0 million short tons of coal, 27 percent more than the 0.8 million short tons imported in 1987 (Table 27). During 1988, coal was imported from Colombia South America, Venezuela, Canada, and Australia. The Jacksonville Electric Authority received the largest volume of imported coal, 687 thousand short tons, from Colombia, South America. Florida Power Corporation received 231 thousand short tons from Venezuela and Australia, while the Public Service Company of New Hampshire purchased 52 thousand short tons from Canada.

Petroleum

Receipts of petroleum to electric utilities were 237 million barrels, an increase of 42 million barrels from 1987 receipts of 195 million barrels. These receipts were highest in the New England, Middle Atlantic, and South Atlantic Census Divisions. Combined, these Census divisions accounted for 85 percent of all receipts of petroleum. At the State level, New York ranked highest with 63 million barrels, followed by Florida and Massachusetts with 39 million barrels and 30 million barrels, respectively (Table 31).

The average delivered price of petroleum in 1988 ranged from a low of $14.12 per barrel in October to a high of $16.60 per barrel in January. For the year, the average delivered price of petroleum to electric utilities was $15.33 per barrel, $3.73 per barrel (20 percent) less than the $19.06 per barrel reported in 1987. On a cents-per-million-Btu basis, petroleum averaged 243.9 compared with 301.1 reported in 1987.

The Niagara Mohawk Power Company reported the largest volume increase in receipts of petroleum in 1988. Receipts totaled almost 11 million barrels, 5 million barrels more than in 1987. Consumption of petroleum at the company's plants increased significantly while receipts of gas declined. The price of petroleum received at the plants decreased from 325.5 cents per million Btu ($20.53 per barrel) in 1987 to 240.6 cents per million Btu ($15.16 per barrel) in 1988.

Receipts of petroleum in 1988 at the Florida Power and Light company totaled almost 26 million barrels, an increase of almost 5 million barrels. Receipts were higher in 1988 due to increased consumption of petroleum. The average cost of petroleum delivered to the company's plants decreased from $19.78 per barrel in 1987 to $14.36 per barrel in 1988.

Most California-based electric utilities reported considerable increases in receipts of petroleum in 1988. The Southern California Edison Company and the Pacific Gas and Electric Company, each, increased receipts of petroleum by over 4 million barrels. The San Diego Gas & Electric Company and the City of Los Angeles also reported increased receipts of petroleum. Declining prices of petroleum resulted in petroleum-fired generation partially replacing gas-fired generation at several electric plants in California.

Several electric utilities in New England and the Middle Atlantic Census Divisions also reported increases in receipts of petroleum and a decline in receipts of gas. These electric utilities included the Central Hudson and Electric Company, Connecticut Light and Power Company, Jersey Central Power and Light Company, New England Power Company, and the United Illuminating Company. Notable decreases in receipts of petroleum occurred at Commonwealth Edison (Illinois), where nuclear generation replaced some coal-fired generation and most petroleum-fired generation; and at Virginia Electric and Power Company, which reduced stocks of petroleum by more than 1 million barrels.

Gas

Receipts of gas at electric utilities in 1988 totaled 2,363 billion cubic feet, decreasing 242 billion cubic feet from the 2,605 billion cubic feet received in 1987. The West South Central and the Pacific Census Divisions, combined, accounted for the largest share of total U.S. receipts of gas at 1,912 billion cubic feet or 81 percent. In the West South Central Division, receipts of gas decreased by 54 billion cubic feet (4 percent). At the State level, Texas dominated the West South Central Division for volume of gas receipts and was the major contributing factor to the decrease in the volume of gas receipts for that division (Table 33). Two of the electric utilities in Texas that supported this decrease in the volume of receipts of gas were Houston Lighting and Power Company and the City of San Antonio. Receipts of gas for these electric utilities decreased 17 billion cubic feet (7 percent) and 15 billion cubic feet (22 percent), respectively. Electric utilities that also contributed on a smaller scale to the decrease in gas receipts in the West South Central Census Division were Arkansas Power and Light Company, Lower Colorado River Authority, and New Orleans Public Service Incorporated.

Receipts of gas to the Pacific Census Division decreased 94 billion-cubic feet (16 percent). Electric utilities in California, which accounted for the decrease in receipts of gas in this Census division, included the City of Los Angeles, San Diego Gas and Electric Company, and Southern California Edison Company. Their receipts of gas were down almost 6 billion cubic feet (11 percent), 13 billion cubic feet (29 percent) and 98 billion cubic feet (39 percent), respectively. Southern California Edison Company had the most substantial decrease in the volume of receipts of gas for the entire United States, as well as for the Pacific Census Division. The Middle Atlantic, South Atlantic, East South Central, and New England Census Divisions also reported decreases in receipts of gas.

In 1988, the average delivered price of gas varied from a high of $2.59 per thousand cubic feet in January to a low of $2.09 per thousand cubic feet in May. For the year, the average delivered price of gas to electric utilities was $2.33 per thousand cubic feet, an increase of $0.02 per thousand cubic feet from 1987. On a cents-per-million-Btu basis, the average price of gas was 226.3, an increase of 1 percent from 1987. In 1988 as in 1987, the average delivered price was lower for gas than for petroleum.

Table ES1. Receipts of Fossil Fuels by Type of Fuel, 1987-1988

Type of Fuel	1988	1987	Quantitative Difference	Percent Change
Total Coal (thousand short tons)	**727,775.5**	721,298.0	6,477.5	0.9
Bituminous	433,062.8	439,864.7	–6,801.9	–1.5
Subbituminous	220,536.3	213,643.1	6,893.2	3.2
Lignite	73,451.3	67,032.3	6,419.0	9.6
Anthracite	725.0	758.0	–33.0	–4.4
Total Petroleum (thousand barrels)	**236,923.5**	194,577.5	**42,346.0**	**21.8**
No. 6 Fuel Oil	229,073.9	186,765.0	42,308.9	22.7
No. 4 and No. 5 Fuel Oil	1,160.0	535.0	625.0	116.8
No. 2 Fuel Oil	6,689.4	7,277.6	–588.2	–8.1
Total Gas (million cubic feet)	**2,362,720.6**	**R 2,605,191.3**	**–242,470.7**	**–9.3**
Natural	2,349,594.1	R 2,597,167.2	–247,572.9	–9.5
Other[1]	13,126.5	8,024.0	5,102.5	63.6

[1] Includes small quantities of coke-oven gas, refinery and blast-furnace gas.

R Data are Revised.

Notes: • Data for 1987 have been revised to reflect the elimination of data for gas turbine units. • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table ES2. Average Cost of Fossil Fuels, 1987-1988

Type of Purchase	1988	1987	Price Difference	Percent Change
Total Coal (dollars per short ton)	**30.64**	**31.83**	**-1.19**	**-3.7**
Contract	30.86	32.01	-1.15	-3.6
Spot	29.30	30.86	-1.56	-5.1
Total Petroleum (dollars per barrel)	**15.33**	**19.06**	**-3.73**	**-19.6**
Contract (No. 6 Fuel Oil)	15.21	19.03	-3.82	-20.1
Spot (No. 6 Fuel Oil)	14.94	18.32	-3.38	-18.4
Total Gas (dollars per Mcf)	**2.33**	**2.31**	**.02**	**.9**
Firm	2.22	2.30	-.08	-3.5
Interruptible	2.48	2.32	.16	6.9

Notes: • Data for 1987 have been revised to reflect the elimination of data for gas turbine units. • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table ES3. Receipts of Coal by Census Division, 1988

Census Division	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
New England	6,377.0	13,157	1.33	7.8	173.2	45.59
Middle Atlantic	51,531.7	12,403	2.02	12.7	148.8	36.92
East North Central	155,300.1	11,127	1.83	9.0	160.4	35.70
West North Central	99,539.9	8,710	1.01	7.6	115.4	20.11
South Atlantic	120,975.9	12,478	1.51	10.1	166.5	41.54
East South Central	73,868.0	11,912	2.07	11.1	148.4	35.36
West South Central	117,143.6	7,717	.60	10.1	149.5	23.08
Mountain	97,183.7	9,737	.54	10.8	109.5	21.32
Pacific	5,855.6	8,219	.64	13.5	154.5	25.41
Pacific Noncontiguous	–	–	–	–	–	–
Total	**727,775.5**	**10,451**	**1.32**	**9.88**	**146.6**	**30.64**

Notes: • Totals may not equal sum of components because of independent rounding.• Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table ES4. Receipts of Petroleum by Census Division, 1988

Census Division	Quantity (thousand barrels)	Average Quality		Average Delivered Cost	
		Btu (per gallon)	Sulfur (percent by weight)	(cents per million Btu)	(dollars per barrel)
New England	60,107.1	150,438	1.29	227.5	14.37
Middle Atlantic	87,220.3	149,567	.88	248.9	15.63
East North Central	5,454.6	145,716	.65	301.8	18.47
West North Central	724.3	145,310	.91	276.9	16.90
South Atlantic	53,893.6	150,590	1.13	227.7	14.40
East South Central	1,569.0	146,459	2.03	340.3	20.93
West South Central	1,471.6	145,676	.53	345.5	21.14
Mountain	1,499.9	145,471	.63	289.4	17.68
Pacific	14,983.5	146,326	.32	266.0	16.35
Pacific Noncontiguous	9,999.6	149,163	.46	286.7	17.96
Total	**236,923.5**	**149,526**	**.91**	**243.9**	**15.33**

Notes: • Totals may not equal sum of components because of independent rounding.• Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table ES5. Receipts of Gas by Census Division, 1988

Census Division	Quantity (thousand Mcf)	Btu (per cubic Ft.)	Average Delivered Cost	
			(cents per million Btu)	(dollars per Mcf)
New England	14,978.0	1,029	221.5	2.28
Middle Atlantic	176,698.0	1,031	224.0	2.31
East North Central	22,216.4	509	295.7	1.50
West North Central	22,480.0	994	210.9	2.10
South Atlantic	136,859.1	1,010	212.2	2.14
East South Central	29,958.4	1,026	186.3	1.91
West South Central	1,402,134.1	1,036	207.8	2.15
Mountain	46,002.4	1,024	229.4	2.35
Pacific	509,394.2	1,036	283.1	2.93
Pacific Noncontiguous	-	-	-	-
Total	**2,362,720.6**	**1,028**	**226.3**	**2.33**

Notes: • Totals may not equal sum of components because of independent rounding.• Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table ES6. Monthly Receipts of Fossil Fuels and Average Cost by Type of Fuel, 1988

Month	Coal			Petroleum			Gas			All Fossil Fuels
	Quantity (thousand short tons)	(dollars per short ton)	(cents per million Btu)	Quantity (thousand barrels)	(dollars per barrel)	(cents per million Btu)	Quantity (thousand Mcf)	(dollars per Mcf)	(cents per million Btu)	
January	56,626.5	30.75	146.5	20,190.1	16.60	264.1	151,365.8	2.59	250.4	167.1
February	56,870.5	31.19	148.7	19,943.3	16.52	263.2	153,286.1	2.55	247.7	169.0
March	59,020.7	31.30	149.3	18,171.4	14.92	236.9	185,780.7	2.31	225.4	165.2
April	56,135.7	31.37	149.8	12,761.0	14.88	235.8	179,872.2	2.19	212.8	162.7
May	57,919.6	31.38	149.5	12,376.5	15.81	250.5	214,688.1	2.09	203.3	162.6
June	59,337.3	30.55	146.3	15,238.1	15.21	241.1	251,104.4	2.15	209.2	162.2
July	58,989.1	30.07	146.0	19,155.6	14.98	237.7	294,678.8	2.22	216.0	165.7
August	68,696.3	30.35	145.3	24,703.3	15.30	242.5	303,866.7	2.36	229.1	167.0
September	63,102.9	30.39	145.3	20,161.8	14.76	234.9	211,067.7	2.35	228.0	162.9
October	63,574.1	30.56	145.6	23,694.2	14.12	225.8	162,176.4	2.38	232.2	161.6
November	62,015.4	30.45	145.6	23,989.1	14.99	239.3	133,899.9	2.56	248.3	163.4
December	63,487.3	29.60	142.3	26,537.4	15.90	254.3	120,933.8	2.55	250.3	162.1
1988	**727,775.5**	**30.64**	**146.5**	**236,923.5**	**15.33**	**243.9**	**2,362,720.6**	**2.33**	**226.3**	**164.3**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generato [illegible] neplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table ES7. Monthly Receipts of Coal and Average Cost by Type of Coal, 1988

Month	Bituminous			Subbituminous			Lignite			Anthracite		
	Quantity (thousand short tons)	(cents per million Btu)	(dollars per short ton)	Quantity (thousand short tons)	(cents per million Btu)	(dollars per short ton)	Quantity (thousand short tons)	(cents per million Btu)	(dollars per short ton)	Quantity (thousand short tons)	(cents per million Btu)	(dollars per short ton)
January	36,582.1	154.7	37.05	15,518.6	137.9	24.10	6,487.7	88.5	11.19	38.0	103.4	18.54
February	34,962.6	156.7	37.55	15,915.3	140.7	24.57	5,968.6	90.9	11.56	24.0	126.7	26.29
March	35,871.6	156.7	37.58	17,330.8	139.7	24.42	5,786.4	102.1	12.98	32.0	120.5	23.35
April	33,123.5	157.1	37.74	17,884.0	140.3	24.59	5,062.2	107.4	13.84	66.0	96.4	17.09
May	34,703.1	155.8	37.45	17,342.5	146.1	25.72	5,801.0	94.3	12.11	73.0	89.7	16.16
June	34,611.0	154.1	37.11	18,126.0	139.9	24.67	6,499.3	94.7	12.25	101.0	82.4	14.15
July	32,622.8	154.9	37.18	19,430.0	140.8	24.78	6,866.3	88.6	11.44	70.0	83.7	14.45
August	40,186.1	153.1	36.78	21,384.2	137.9	24.33	7,057.1	94.0	12.18	69.0	86.0	[illegible].60
September	37,634.7	153.1	36.72	19,202.9	135.3	23.75	6,188.2	99.0	12.64	77.0	89.1	14.71
October	38,454.0	151.5	36.29	19,189.4	138.4	24.29	5,858.7	106.7	13.67	72.0	95.2	16.03
November	37,026.9	152.3	36.43	19,450.7	134.6	23.60	5,491.8	114.1	14.50	46.0	98.0	16.16
December	37,284.5	151.9	36.38	19,762.0	127.3	22.21	6,383.8	101.8	13.01	57.0	86.5	13.81
1988	**433,062.8**	**154.2**	**37.00**	**220,536.3**	**138.1**	**24.23**	**73,451.3**	**98.0**	**12.55**	**725.0**	**92.9**	**16.08**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table ES8. Monthly Receipts of Coal and Average Cost by Type of Purchase and Mining Method, 1988

Month	Contract Purchases			Spot Purchases			Average Cost by Type of Mining Method					
							Strip and Auger			Underground		
	Quantity (thousand short tons)	(cents per million Btu)	(dollars per short ton)	Quantity (thousand short tons)	(cents per million Btu)	(dollars per short ton)	Quantity (thousand short tons)	(cents per million Btu)	(dollars per short ton)	Quantity (thousand short tons)	(cents per million Btu)	(dollars per short ton)
January	50,228.1	150.1	30.75	8,398.3	128.2	30.76	40,173.9	137.9	26.84	18,452.6	161.6	39.26
February	49,282.0	152.1	31.21	7,588.5	130.0	31.05	38,671.2	140.7	27.32	18,199.3	162.4	39.41
March	52,405.7	152.3	31.40	6,615.1	128.1	30.49	40,325.2	142.1	27.61	18,695.5	161.7	39.26
April	49,338.1	153.2	31.57	6,797.6	128.4	29.90	38,924.4	142.3	27.70	17,211.4	163.4	39.67
May	50,886.2	153.1	31.65	7,033.3	126.6	29.36	40,096.9	143.2	27.92	17,822.6	160.9	39.16
June	51,677.0	150.1	30.81	7,660.3	124.0	28.76	41,968.2	139.2	27.05	17,369.1	160.0	39.01
July	51,275.4	150.0	30.28	7,713.7	122.8	28.73	43,230.0	138.1	26.55	15,759.1	163.0	39.73
August	59,335.3	149.1	30.59	9,361.1	123.9	28.89	47,542.7	138.0	26.73	21,153.7	158.4	38.49
September	53,766.0	149.2	30.59	9,336.9	125.1	29.18	43,406.8	137.7	26.72	19,696.1	158.5	38.46
October	54,894.7	149.8	30.85	8,679.4	122.2	28.76	43,715.5	139.2	27.15	19,858.6	157.0	38.08
November	52,279.2	148.8	30.74	9,736.2	129.5	28.90	43,213.8	139.2	27.12	18,801.6	157.2	38.10
December	52,411.4	145.8	29.97	11,075.9	127.0	27.86	44,300.0	134.2	25.88	19,187.4	157.2	38.20
1988	**627,779.1**	**150.3**	**30.86**	**99,996.3**	**126.3**	**29.30**	**505,568.4**	**139.2**	**27.03**	**222,207.0**	**160.0**	**38.87**

Notes: • Totals may not equal sum of components because of independent rounding.• Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table ES9. Monthly Receipts of Petroleum and Average Cost by Type of Petroleum, 1988

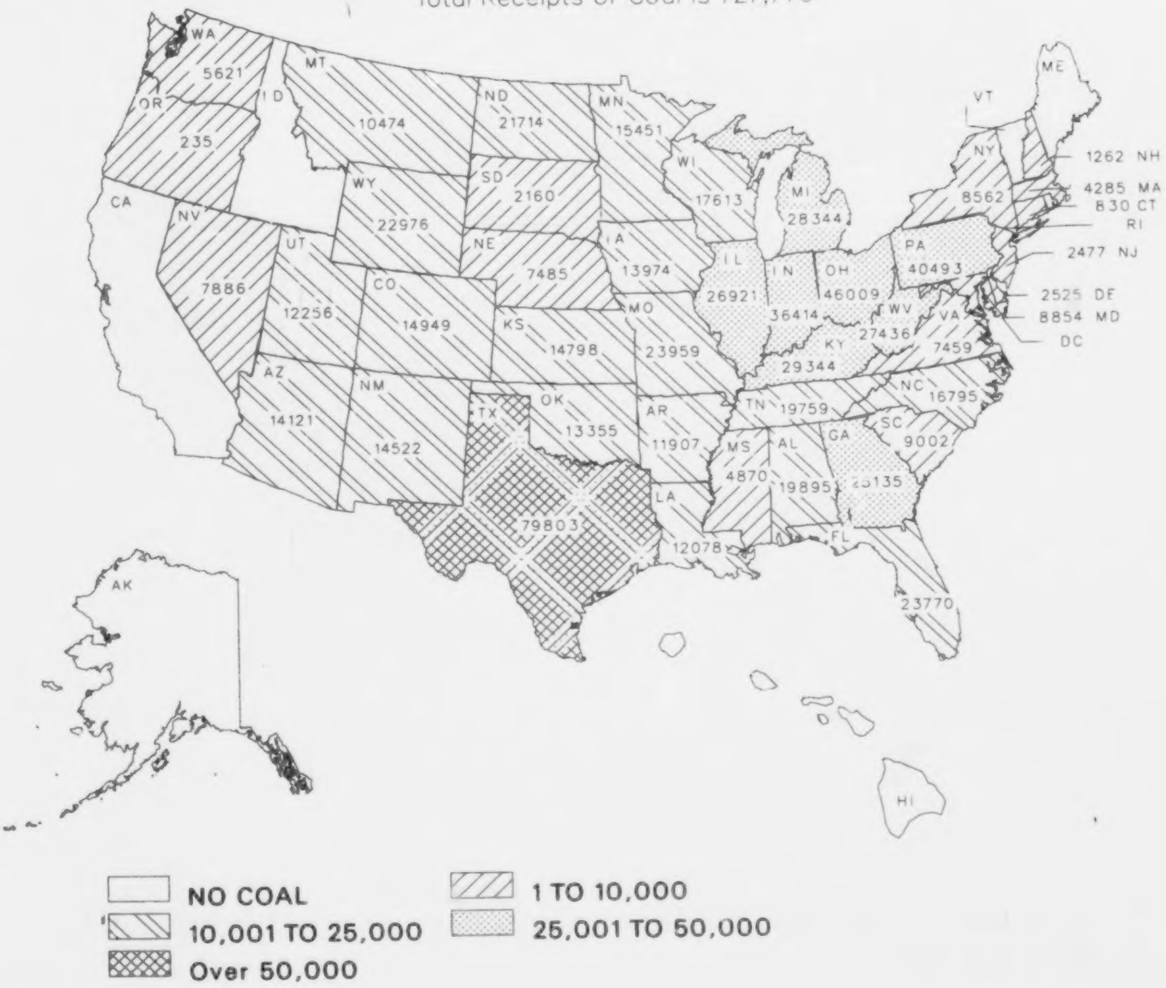
Month	No. 2 Fuel Oil			No. 4 and 5 Fuel Oil			No. 6 Fuel Oil		
	Quantity (thousand barrels)	(cents per million Btu)	(dollars per barrel)	Quantity (thousand barrels)	(cents per million Btu)	(dollars per barrel)	Quantity (thousand barrels)	(cents per million Btu)	(dollars per barrel)
January	672.6	394.8	22.93	99.0	353.7	21.48	19,418.2	259.5	16.36
February	470.3	382.8	22.28	38.0	287.3	17.30	19,435.0	260.5	16.38
March	604.8	369.0	21.55	28.4	251.9	15.06	17,538.1	232.7	14.69
April	342.9	403.4	23.42	6.9	239.0	14.53	12,411.2	231.6	14.64
May	473.4	401.4	23.36	24.2	259.8	15.62	11,880.8	245.0	15.51
June	595.9	373.0	21.70	199.9	290.5	17.59	14,442.2	235.5	14.90
July	556.9	352.6	20.50	213.6	294.2	17.84	18,385.1	233.8	14.78
August	805.7	354.2	20.62	289.5	288.8	17.48	23,608.1	238.4	15.09
September	502.9	358.4	20.92	36.6	277.8	16.86	19,622.2	231.9	14.60
October	474.0	336.8	19.61	38.2	246.5	14.92	23,182.0	223.6	14.00
November	505.4	363.5	21.12	26.9	275.4	16.66	23,456.7	236.8	14.85
December	684.4	377.9	21.98	158.8	272.2	16.61	25,694.1	251.1	15.73
1988	**6,689.4**	**371.2**	**21.61**	**1,160.0**	**289.5**	**17.54**	**229,073.9**	**240.2**	**15.13**

Notes: • Totals may not equal sum of components because of independent rounding.• Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Figure ES1. Receipts of Coal, 1988 (Thousand Short Tons)

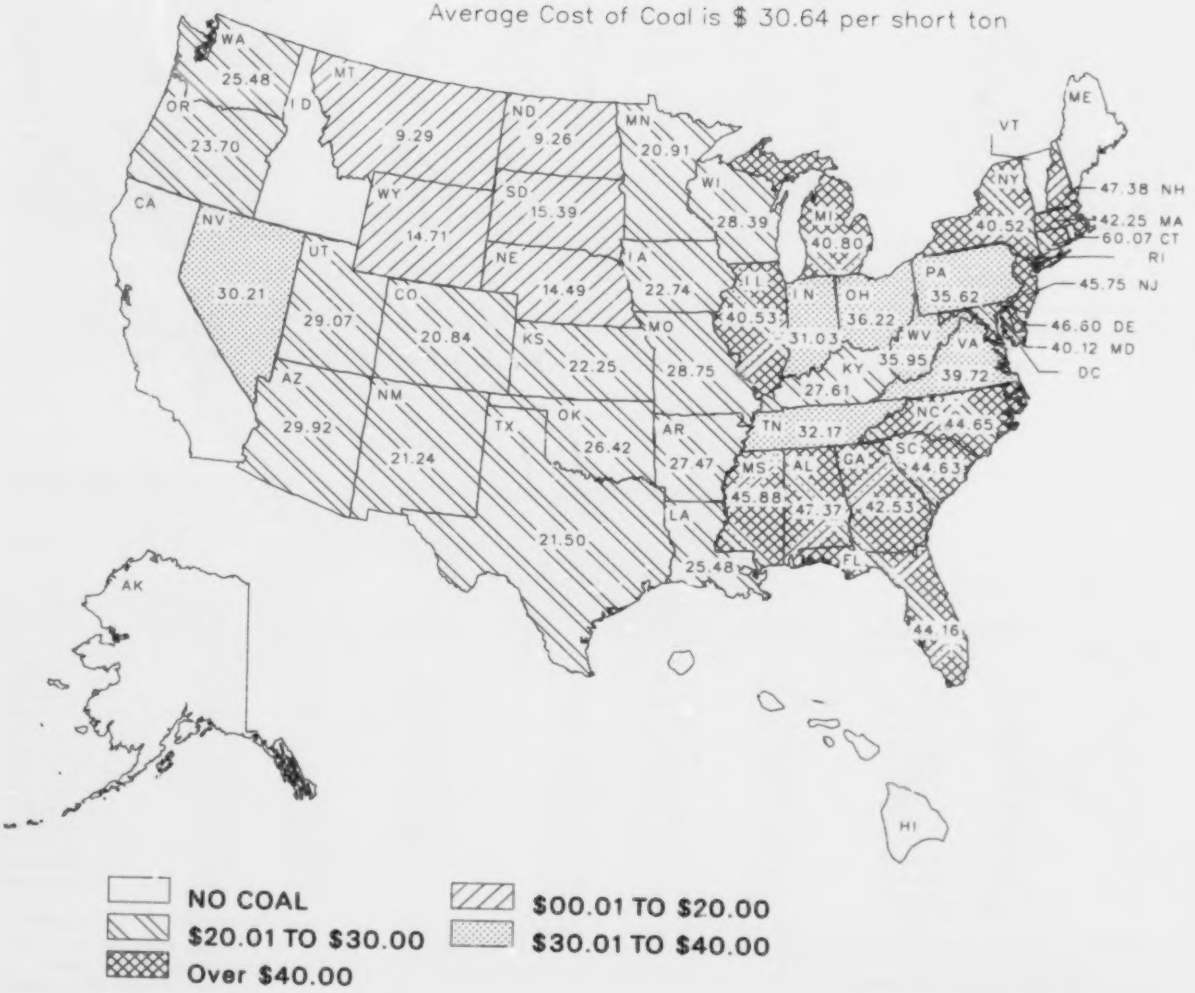
Total Receipts of Coal is 727,776


WA 5621
OR 235
ID
CA
NV 7886
MT 10474
WY 22976
UT 12256
AZ 14121
CO 14949
NM 14522
ND 21714
SD 2160
NE 7485
KS 14798
OK 13355
TX 79803
MN 15451
IA 13974
MO 23959
AR 11907
LA 12078
WI 17613
IL 26921
MI 28344
IN 36414
OH 46009
KY 29344
TN 19759
MS 4870
AL 19895
GA 25135
FL 23770
SC 9002
NC 16795
VA 7459
WV 27436
PA 40493
NY 8562
ME
VT
1262 NH
4285 MA
830 CT
RI
2477 NJ
2525 DE
8854 MD
DC
AK
HI
NO COAL
1 TO 10,000
10,001 TO 25,000
25,001 TO 50,000
Over 50,000

Note: Total may not equal sum of components because of independent rounding. Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulator Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

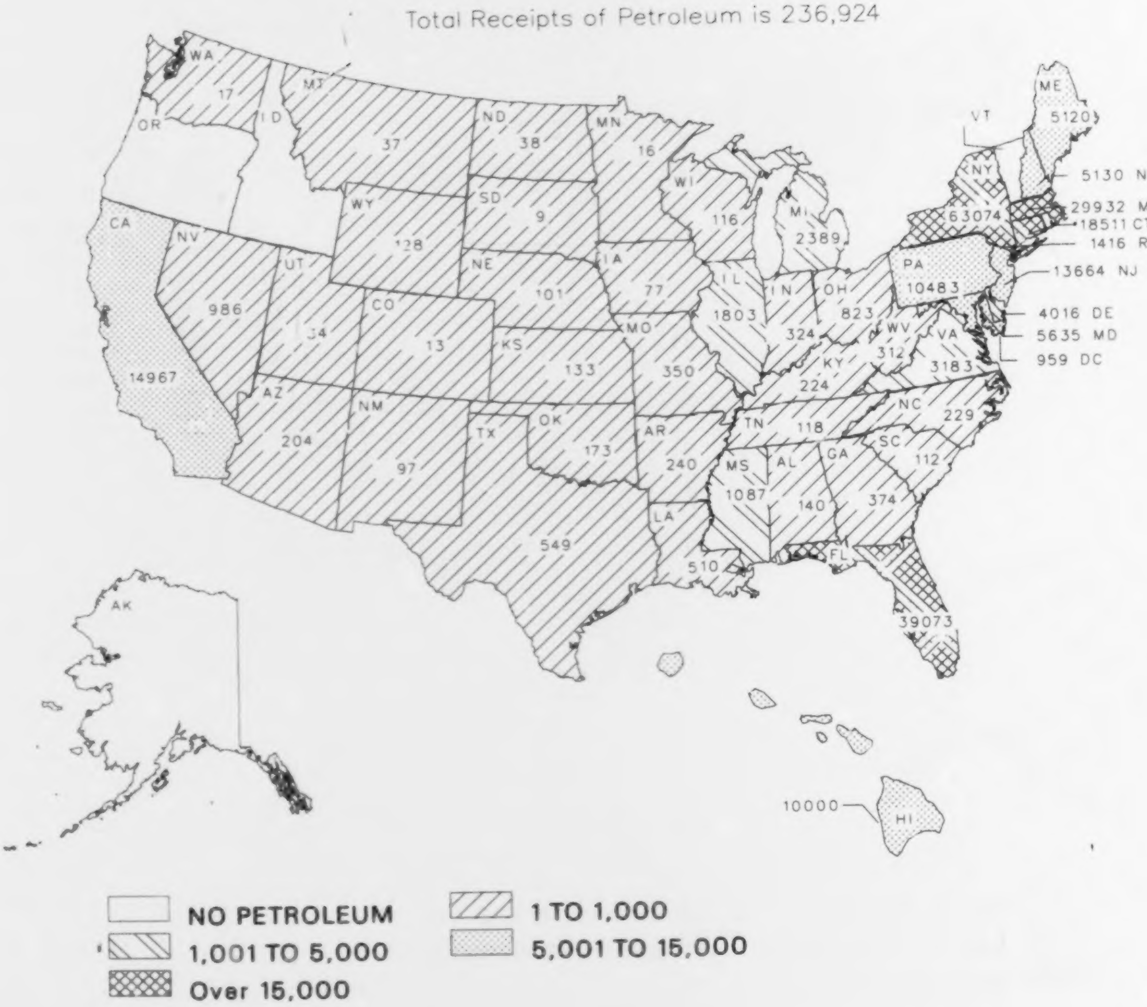
Figure ES2. Average Cost of Coal, 1988 (Dollars per Short Ton)


Average Cost of Coal is $ 30.64 per short ton
WA 25.48
OR 23.70
CA
NV 30.21
ID
MT 9.29
WY 14.71
UT 29.07
AZ 29.92
CO 20.84
NM 21.24
ND 9.26
SD 15.39
NE 14.49
KS 22.25
OK 26.42
TX 21.50
MN 20.91
IA 22.74
MO 28.75
AR 27.47
LA 25.48
WI 28.39
IL 40.53
MI 40.80
IN 31.03
OH 36.22
KY 27.61
TN 32.17
MS 45.88
AL 47.37
GA 42.53
FL 44.16
SC 44.63
NC 44.65
VA 39.72
WV 35.95
PA 35.62
NY 40.52
VT
ME
47.38 NH
42.25 MA
60.07 CT
RI
45.75 NJ
46.60 DE
40.12 MD
DC
AK
HI
NO COAL
$00.01 TO $20.00
$20.01 TO $30.00
$30.01 TO $40.00
Over $40.00

Note: Total may not equal sum of components because of independent rounding. Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulator Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

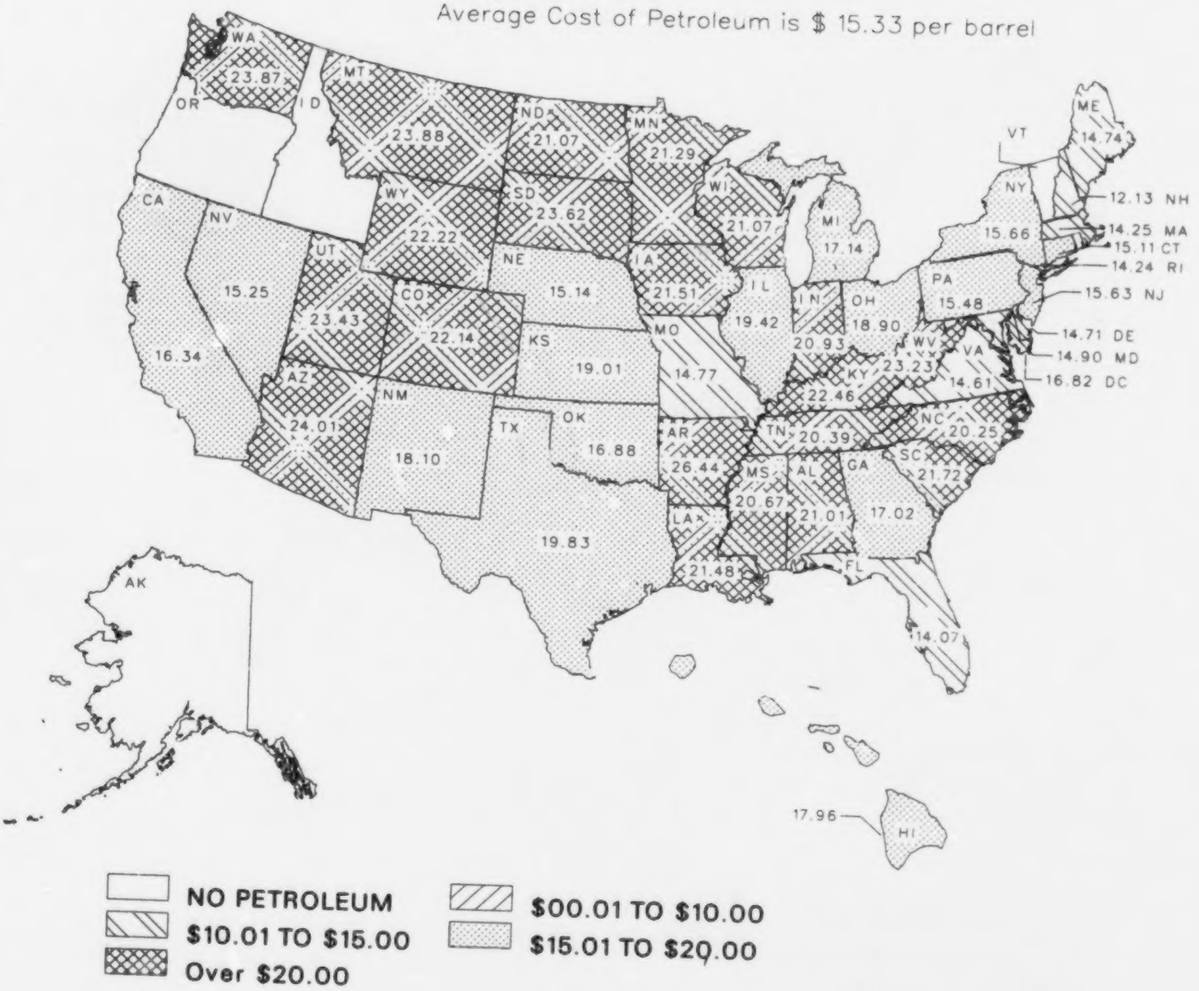
Figure ES3. Receipts of Petroleum, 1988 (Thousand Barrels)


Total Receipts of Petroleum is 236,924
WA
17
OR
ID
MT
37
ND
38
MN
16
WY
128
SD
9
WI
116
MI
2389
CA
14967
NV
986
UT
34
CO
13
NE
101
IA
77
IL
1803
IN
324
OH
823
PA
10483
KS
133
MO
350
KY
224
WV
312
VA
3183
AZ
204
NM
97
TX
549
OK
173
AR
240
TN
118
NC
229
SC
112
MS
1087
AL
140
GA
374
LA
510
FL
39073
AK
HI
10000
ME
5120
VT
NY
63074
5130 NH
29932 MA
18511 CT
1416 RI
13664 NJ
4016 DE
5635 MD
959 DC
NO PETROLEUM
1 TO 1,000
1,001 TO 5,000
5,001 TO 15,000
Over 15,000

Note: Total may not equal sum of components because of independent rounding. Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulator Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

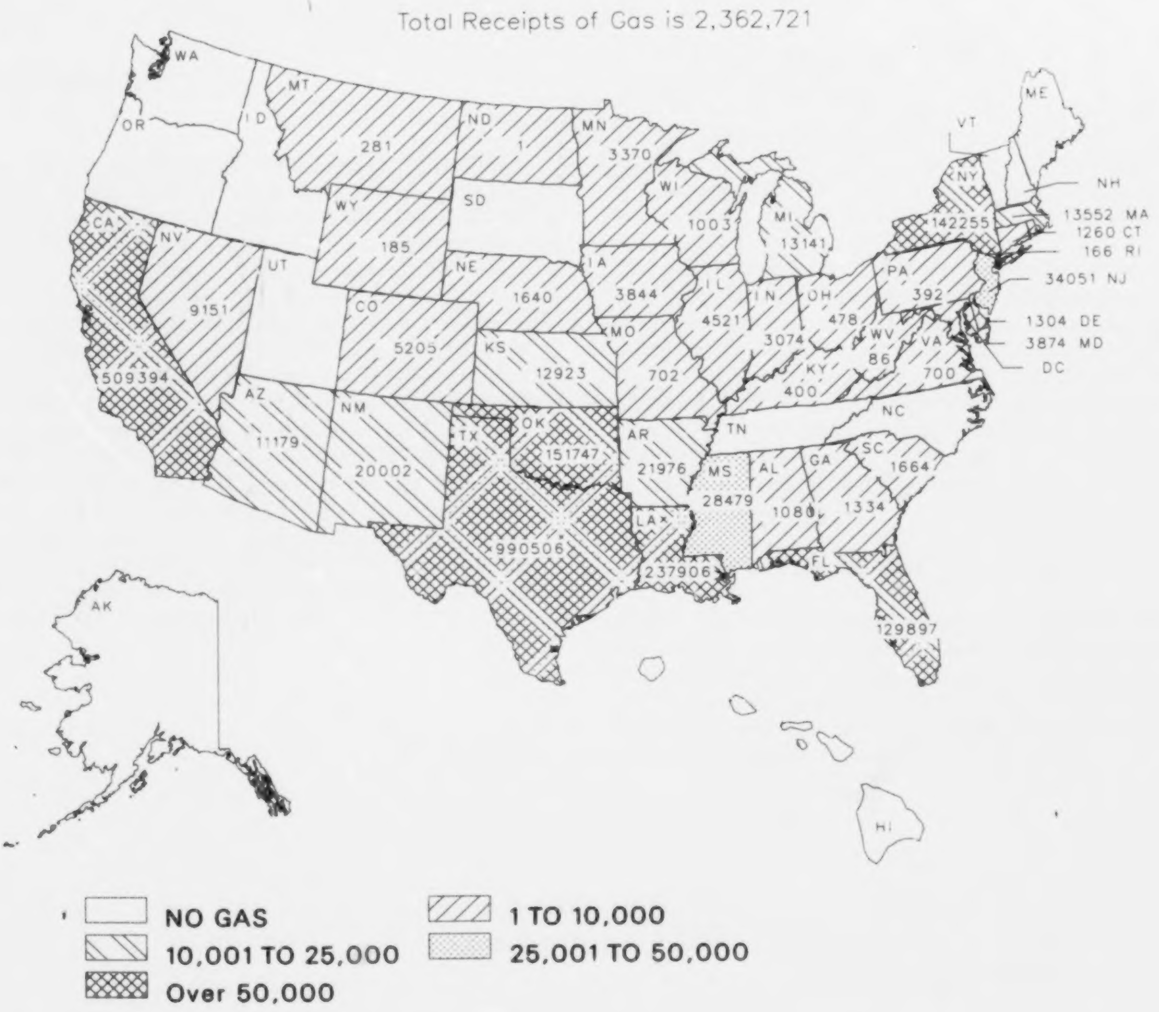
Figure ES4. Average Cost of Petroleum, 1988 (Dollars per Barrel)


Average Cost of Petroleum is $ 15.33 per barrel
WA 23.87
OR
ID
MT 23.88
ND 21.07
MN 21.29
ME 14.74
VT
NY 15.66
12.13 NH
14.25 MA
15.11 CT
14.24 RI
15.63 NJ
14.71 DE
14.90 MD
16.82 DC
CA 16.34
NV 15.25
UT 23.43
WY 22.22
SD 23.62
WI 21.07
MI 17.14
NE 15.14
IA 21.51
IL 19.42
IN 20.93
OH 18.90
PA 15.48
CO 22.14
KS 19.01
MO 14.77
WV 23.23
VA 14.61
KY 22.46
AZ 24.01
NM 18.10
TX 19.83
OK 16.88
AR 26.44
TN 20.39
NC 20.25
SC 21.72
MS 20.67
AL 21.01
GA 17.02
LA 21.48
FL 14.07
AK
HI 17.96
NO PETROLEUM
$10.01 TO $15.00
Over $20.00
$00.01 TO $10.00
$15.01 TO $20.00

Note: Total may not equal sum of components because of independent rounding. Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulator Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

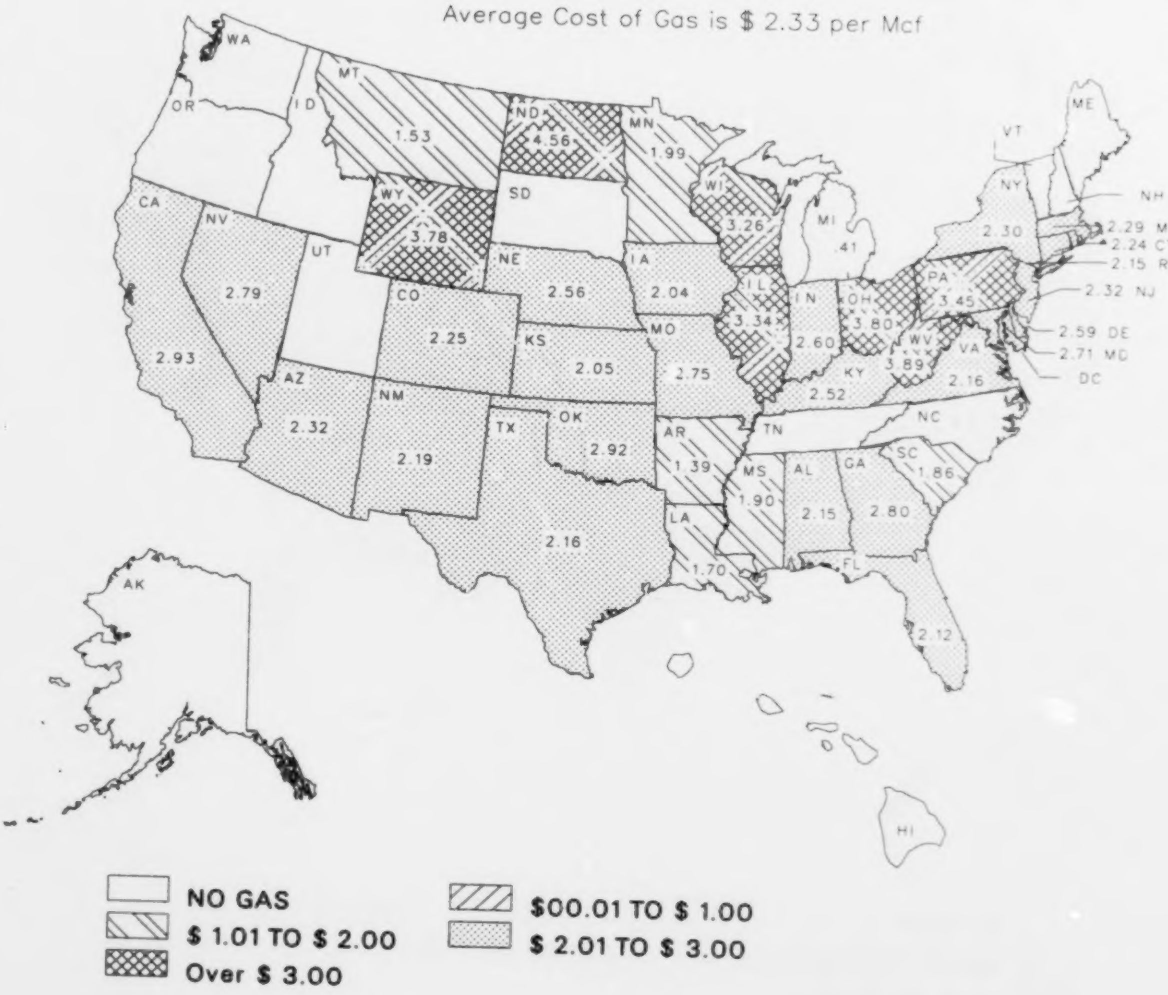
Figure ES5. Receipts of Gas, 1988 (Thousand Mcf)


Total Receipts of Gas is 2,362,721
WA
OR
ID
MT 281
ND 1
MN 3370
WI 1003
MI 13141
NY 142255
VT
ME
NH
13552 MA
1260 CT
166 RI
34051 NJ
1304 DE
3874 MD
DC
CA 509394
NV 9151
UT
WY 185
SD
NE 1640
IA 3844
IL 4521
IN 3074
OH 478
PA 392
WV 86
VA 700
KY 400
CO 5205
KS 12923
MO 702
AZ 11179
NM 20002
OK 151747
TX 990506
AR 21976
TN
NC
SC 1664
MS 28479
AL 1080
GA 1334
LA 237906
FL 129897
AK
HI
NO GAS
1 TO 10,000
10,001 TO 25,000
25,001 TO 50,000
Over 50,000

Note: Total may not equal sum of components because of independent rounding. Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulator Commission, FERC Form 423."Monthly Report of Cost and Quality of Fuels for Electric Plants."

Figure ES6. Average Cost of Gas, 1988 (Dollars per Mcf)


Average Cost of Gas is $ 2.33 per Mcf
WA
OR
ID
MT
1.53
ND
4.56
MN
1.99
WI
3.26
MI
.41
CA
NV
UT
WY
3.78
SD
NE
2.56
IA
2.04
2.79
2.93
CO
2.25
KS
2.05
MO
2.75
IL
3.34
IN
2.60
OH
3.80
PA
3.45
WV
3.89
KY
2.52
VA
2.16
AZ
2.32
NM
2.19
TX
2.16
OK
2.92
AR
1.39
LA
1.70
MS
1.90
TN
AL
2.15
GA
2.80
SC
1.86
NC
FL
2.12
ME
VT
NH
NY
2.30
2.29 MA
2.24 CT
2.15 RI
2.32 NJ
2.59 DE
2.71 MD
DC
AK
HI
NO GAS
$ 1.01 TO $ 2.00
Over $ 3.00
$00.01 TO $ 1.00
$ 2.01 TO $ 3.00

Note: Total may not equal sum of components because of independent rounding. Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulator Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Introduction

Background

The *Cost and Quality of Fuels for Electric Utility Plants Annual (C&QA)* includes comprehensive information about the electric utility industry in the United States. The *C&QA* presents annual summaries of electric utility statistics at the national, Census division, State, company, and plant level for quantity, quality, and cost of fuel data. The summarized data contained in this report are presented for the use of a wide audience including Congress, Federal and State agencies, the electric utility industry, and the general public. The data presented in this report were collected and published by the EIA, to fulfill its data collection and dissemination responsibilities as specified in the Federal Energy Administration Act of 1974 (Public Law 93-275) as amended. In addition to the *Cost and Quality of Fuels for Electric Utility Plants Annual,* the EIA publishes electric power data in the *Electric Power Annual (EPA)* (1), and the *Electric Power Monthly (EPM)* (2).

Coverage of Source

Data published in the *C&QA* are compiled from the FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." This form is completed monthly by electric utilities and submitted to the EIA.

The FERC Form 423, which is a cut-off sample, is used to collect data from steam-electric power generating plants with a combined generator nameplate capacity of 50 megawatts or larger (approximately 225 electric utilities). The 50-megawatt threshold was established by FERC. The geographic coverage includes the contiguous United States, Alaska, Hawaii, and the District of Columbia. For a description of the data submitted on this form, see Appendix A.

Adjustments to Collected Data

Since a 100 percent response rate was obtained, no adjustments were necessary to the collected data to account for nonrespondents. Annual data are published in this report and are final. Data for 1984 through 1987 have been revised to reflect the elimination of data for several gas turbine units.

Receipt and Cost Data

Table 1. Receipts of Coal for Contract and Spot Purchases, 1984-1988
(Thousand Short Tons)

Type of Purchase	1988	1987	1986	1985	1984
Contract	627,779.1	610,193.6	601,012.1	592,406.9	584,821.5
Spot	99,996.3	111,104.4	85,952.0	74,336.5	99,289.2
Total	**727,775.5**	**721,298.0**	**686,964.1**	**666,743.3**	**684,110.7**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 2. Costs of Coal for Contract and Spot Purchases, 1984-1988
(Dollars per Short Ton)

Type of Purchase	1988	1987	1986	1985	1984
Contract	30.86	32.01	33.51	34.63	35.06
Spot	29.30	30.86	31.81	33.73	35.49
Total	**30.64**	**31.83**	**33.30**	**34.53**	**35.12**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 3. Receipts of Coal for Surface and Underground Mining, 1984-1988
(Thousand Short Tons)

Mine Type	1988	1987	1986	1985	1984
Surface-Mined	505,566.4	493,490.8	477,083.5	468,511.6	486,011.8
Deep-Mined	222,207.0	227,807.3	209,880.6	198,231.7	198,098.8
Total	**727,775.5**	**721,298.0**	**686,964.1**	**666,743.3**	**684,110.7**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 4. Receipts of Coal by Census Division, 1984-1988
(Thousand Short Tons)

Census Division	1988	1987	1986	1985	1984
New England	6,377.0	5,774.4	5,717.6	6,052.1	5,301.2
Middle Atlantic	51,531.7	53,854.8	49,713.6	50,030.2	54,202.3
East North Central	155,300.1	162,093.2	161,292.9	151,825.7	162,400.6
West North Central	99,539.9	89,341.8	81,066.5	86,552.2	91,662.2
South Atlantic	120,975.9	129,920.5	120,825.9	115,193.8	124,208.4
East South Central	73,868.0	78,047.1	77,064.3	67,842.9	68,862.2
West South Central	117,143.6	111,028.9	105,426.1	104,082.6	98,620.7
Mountain	97,183.7	86,381.7	81,198.1	80,711.1	74,780.1
Pacific	5,855.6	4,855.7	4,659.0	4,452.7	4,073.0
Pacific Noncontiguous	–	–	–	–	–
Total	**727,775.5**	**721,298.0**	**686,964.1**	**666,743.3**	**684,110.7**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 5. Receipts and Average Cost of Coal by Census Division, 1988

Census Division	Contract Purchases			Spot Purchases		
	Quantity (thousand short tons)	Average Delivered Cost		Quantity (thousand short tons)	Average Delivered Cost	
		(cents per million Btu)	(dollars per short ton)		(cents per million Btu)	(dollars per short ton)
New England	4,542.1	174.3	45.74	1,834.9	170.6	45.21
Middle Atlantic	39,403.2	154.7	38.46	12,128.5	129.8	31.93
East North Central	125,514.6	169.8	37.38	29,785.5	123.1	28.63
West North Central	92,047.1	116.7	20.20	7,492.8	101.2	18.98
South Atlantic	98,376.9	172.9	43.14	22,599.0	138.4	34.60
East South Central	56,977.7	158.9	37.74	16,890.3	113.3	27.30
West South Central	110,644.2	149.0	22.87	6,499.3	157.5	26.65
Mountain	94,910.6	110.3	21.42	2,273.1	79.4	17.35
Pacific	5,362.8	159.1	26.11	492.8	105.7	17.70
Pacific Noncontiguous	–	–	–	–	–	–
Total	**627,779.1**	**150.3**	**30.86**	**99,996.3**	**126.3**	**29.30**

Notes: • Totals may not equal sum of components because of independent rounding.• Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 6. Receipts of Coal by Grade, 1984-1988

Grade of Coal	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per Million Btu)	(dollars per short ton)
1988						
Anthracite	725.0	8,656	0.6	33.1	92.9	16.08
Bituminous	433,062.8	11,995	1.8	10.4	154.2	37.00
Subbituminous	220,536.3	8,772	.5	7.3	138.1	24.23
Lignite	73,451.3	6,404	.8	14.0	98.0	12.55
Total	**727,775.5**	**10,451**	**1.32**	**9.88**	**146.6**	**30.64**
1987						
Anthracite	758.0	7,981	.6	34.0	85.0	13.57
Bituminous	439,864.7	12,018	1.9	10.5	157.6	37.87
Subbituminous	213,643.1	8,909	.4	7.5	141.4	25.19
Lignite	67,032.3	6,377	.8	14.2	106.2	13.54
Total	**721,298.0**	**10,569**	**1.38**	**10.00**	**150.6**	**31.83**
1986						
Anthracite	536.0	7,789	.6	33.5	81.0	12.62
Bituminous	416,653.7	11,983	1.9	10.6	164.4	39.39
Subbituminous	205,368.5	8,925	.5	7.6	152.6	27.24
Lignite	64,405.9	6,415	.8	13.6	104.0	13.34
Total	**686,964.1**	**10,543**	**1.39**	**9.98**	**157.9**	**33.30**
1985						
Anthracite	751.0	8,392	.7	29.4	86.1	14.46
Bituminous	398,972.8	11,920	1.9	10.7	173.3	41.31
Subbituminous	207,396.1	8,891	.5	7.7	156.7	27.86
Lignite	59,623.5	6,398	.8	13.4	99.0	12.67
Total	**666,743.3**	**10,480**	**1.38**	**10.05**	**164.8**	**34.53**
1984						
Anthracite	614.9	8,509	.6	29.8	101.1	17.21
Bituminous	429,803.6	11,867	2.0	11.0	174.5	41.41
Subbituminous	196,619.5	8,909	.5	7.8	158.0	28.15
Lignite	57,072.6	6,333	.7	14.1	94.7	12.00
Total	**684,110.7**	**10,552**	**1.47**	**10.36**	**166.4**	**35.12**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 7. The 20 Largest Companies Ranked by Total Receipts of Coal, 1988

Company	Total Coal Receipts		Total Estimated Coal Bill (million dollars)
	(thousand short tons)	(dollars per short ton)	
1. Tennessee Valley Authority	32,773.7	31.21	1,022.9
2. Texas Utilities Electric Co	29,726.0	12.31	366.1
3. Georgia Power Co	24,264.9	42.48	1,030.7
4. Pacific Power & Light Co	18,895.0	18.02	340.6
5. Detroit Edison Co	18,516.0	39.17	725.2
6. Pennsylvania Elec Co	15,979.0	33.23	531.0
7. Houston Lighting & Power Co	15,469.9	30.59	473.2
8. Basin Electric Power Coop	14,866.6	10.61	157.8
9. Alabama Power Co	13,626.2	51.14	696.8
10. Ohio Power Co	13,080.9	39.33	514.4
11. Arizona Public Service Co	11,585.8	20.17	233.7
12. Northern States Power Co	11,353.3	19.94	226.4
13. Commonwealth Edison Co	10,931.7	51.24	560.1
14. Public Service Co of IN Inc	10,796.0	32.89	355.1
15. Union Electric Co	10,598.0	34.32	363.7
16. Monogahela Power Co	10,495.4	32.88	345.1
17. Montana Power Co	10,306.0	9.19	94.7
18. Arkansas Power & Light Co	10,184.1	27.79	283.0
19. Utah Power & Light Co	9,428.0	22.67	213.7
20. Pennsylvania Power and Lt	9,007.0	40.45	364.3

• Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 8. Receipts of Petroleum, 1984-1988

(Thousand Barrels)

Grades of Petroleum	1988	1987	1986	1985	1984
Distillate (No. 2 Fuel Oil)	6,689.4	7,277.6	7,936.2	8,536.4	8,540.2
No. 4 and No. 5 Fuel Oil	1,160.0	535.0	472.7	684.4	1,526.1
Residual No. 6 Fuel Oil	229,073.9	186,765.0	220,112.6	155,725.5	192,305.7
Total	**236,923.3**	**194,577.5**	**228,521.5**	**164,946.3**	**202,372.0**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 9. Receipts of Petroleum by Census Division, 1984-1988
(Thousand Barrels)

Census Division	1988	1987	1986	1985	1984
New England	60,107.1	50,712.4	61,565.0	45,657.6	55,142.2
Middle Atlantic	87,220.3	72,696.3	80,386.4	64,678.3	80,617.3
East North Central	5,454.6	6,104.6	5,495.0	5,633.1	7,042.2
West North Central	724.3	601.6	581.7	665.5	894.3
South Atlantic	53,893.6	48,332.7	58,179.8	32,716.5	43,506.9
East South Central	1,569.0	747.3	2,516.7	822.7	828.8
West South Central	1,471.6	747.7	1,878.6	1,426.0	2,514.6
Mountain	1,499.9	1,051.3	960.6	633.9	531.8
Pacific	14,983.5	3,209.5	7,542.3	3,523.8	2,092.7
Pacific Noncontiguous	9,999.6	10,374.1	9,415.5	9,189.1	9,201.2
Total	**236,923.5**	**194,577.5**	**228,521.5**	**164,946.5**	**202,372.0**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 10. Average Cost of Receipts for Petroleum, 1984-1988
(Cents per Million Btu)

Grades of Petroleum	1988	1987	1986	1985	1984
Distillate (No. 2 Fuel Oil)	371.2	400.5	354.0	578.2	610.7
No. 4 and No. 5 Fuel Oil	289.5	355.7	296.6	491.4	552.1
Residual No. 6 Fuel Oil	240.2	297.4	240.0	424.1	480.7
Total	**243.9**	**301.1**	**243.7**	**431.7**	**486.3**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 11. Receipts of No. 6 Fuel Oil, 1988

Company	Quantity (thousand barrels)	Average Quality		Average Delivered Cost	
		(Btu per gallon)	Sulfur (percent by weight)	(cents per million Btu)	(dollars per barrel)
Arkansas Power & Light Co	135.5	149,980	0.5	381.0	24.00
Atlantic City Electric Co	963.0	150,379	.6	237.9	15.03
Baltimore Gas & Electric Co	1,886.0	150,010	1.0	233.1	14.69
Bangor Hydro-Electric Co	95.0	150,404	1.1	282.3	17.83
Boston Edison Co	11,342.4	150,271	.9	221.3	13.97
Bryan City of	7.1	147,712	.2	257.3	15.96
Burbank City of	17.0	146,745		321.4	19.81
Cambridge Electric Light Co	311.0	149,526	.5	286.0	17.96
Canal Electric Co	9,458.0	149,925	2.1	204.4	12.87
Central Hudson Gas & Elec Corp	9,810.0	151,197	1.3	230.9	14.66
Central Maine Power Co	5,012.8	149,132	.8	234.0	14.65
Central Nebraska Pub P&I Dist	93.8	150,000	1.1	233.8	14.73
Cleveland Electric Illum Co	387.0	152,020	1.3	244.9	15.64
Colorado Springs City of	.3	158,000	.4	280.4	18.61
Commonwealth Edison Co	1,277.0	150,785	.7	298.2	18.89
Commonwealth Electric Co	290.0	151,431	1.0	250.1	15.91
Connecticut Light & Power Co	12,020.3	149,804	.6	244.7	15.40
Consolidated Edison Co-NY Inc	21,148.8	147,840	.3	259.2	16.10
Consumers Power Co	961.0	147,409	1.0	253.6	15.71
Coop Power Assn	3.5	147,000	2.5	193.2	11.93
Deepwater Operating Co	361.0	149,643	.9	235.4	14.79
Delmarva Power & Light Co	4,020.2	151,327	1.1	226.2	14.38
Detroit City of	486.0	147,835	.7	287.5	17.85
Detroit Edison Co	517.0	146,622	.7	260.1	16.02
Dover City of	766.0	152,110	2.1	228.1	14.57
Florida Power & Light Co	25,727.7	151,495	1.0	225.7	14.36
Florida Power Corp	7,279.3	151,209	1.5	210.5	13.37
Gainesville City of	1.4	148,731	1.6	272.4	17.02
Georgia Power Co	105.5	149,000	.2	217.6	13.61
Gulf States Utilities Co	206.9	149,896	.4	208.9	13.15
Hawaiian Electric Co Inc	9,992.8	149,171	.5	286.7	17.96
Illinois Power Co	124.8	154,150	.9	261.3	16.92
Imperial Irrigation District	223.1	149,500	1.2	288.5	18.11
Jacksonville Electric Auth	4,288.3	151,710	1.7	204.4	13.03
Jersey Central Power&Light Co	1,416.4	149,459	.5	251.2	15.77
Kansas Gas & Electric Co	45.0	148,497	1.5	273.4	17.05
Lake Worth City of	.5	148,100	2.0	325.0	20.22
Lakeland City of	280.9	149,933	2.1	214.0	13.48
Long Island Lighting Co	19,097.0	151,404	.8	244.2	15.53
Los Angeles City of	1,509.1	145,972	.2	274.4	16.82
Louisiana Power & Light Co	213.1	151,272	1.0	340.1	21.62
Mississippi Power & Light Co	966.4	150,934	2.9	323.5	20.51
Mississippi Power Co	58.1	150,029	3.0	228.8	14.41
Montaup Electric Co	82.2	150,767	.9	240.0	15.20
Nevada Power Co	130.9	148,049	.9	202.0	12.56
New England Power Co	8,425.6	150,522	1.8	249.4	15.77
New Orleans Public Service Inc	4.4	152,300	1.5	350.1	22.39
Niagara Mohawk Power Corp	10,790.0	150,023	1.1	240.6	15.16
Oklahoma Gas & Electric Co	135.5	153,216	1.0	250.2	16.10
Orange & Rockland Utils Inc	4,784.5	148,321	.3	266.6	16.61
Orlando Utilities Comm	775.0	152,405	1.6	203.0	12.99
Pacific Gas & Electric Co	5,825.0	146,761	.4	262.1	16.16
Pasadena City of	65.7	147,260	.2	251.3	15.54
Pennsylvania Power & Light Co	5,727.0	151,395	.9	230.3	14.64
Philadelphia Electric Co	3,943.0	150,029	.5	247.4	15.59
Potomac Electric Power Co	2,622.0	151,077	1.3	235.6	14.95
Power Authority of State of NY	2,884.0	147,380	.3	261.4	16.18
Public Service Co of NH	5,115.1	154,603	1.8	186.4	12.10
Public Service Co of NM	5.9	145,000	1.0	196.5	11.97
Public Service Electric&Gas Co	5,223.4	147,533	.3	258.7	16.03
Salt River Proj Ag I & P Dist	20.9	148,483	.9	247.0	15.40
San Diego Gas & Electric Co	2,079.0	146,623	.3	257.8	15.87
Savannah Electric & Power Co	67.1	147,194	2.5	233.6	14.44
Sierra Pacific Power Co	822.0	148,800	.6	245.6	15.35
Southern California Edison Co	5,247.6	145,695	.2	269.8	16.51
St Joseph Light & Power Co	45.4	152,578	1.7	173.0	11.09
Tallahassee City of	222.8	151,577	1.8	198.8	12.65
Taunton City of	318.9	148,907	1.8	237.0	14.82
Union Electric Co	187.0	153,535	1.8	185.4	11.95
United Illuminating Co	6,453.6	150,639	1.0	229.7	14.53
Vineland City of	126.4	150,620	.6	257.5	16.29
Virginia Electric & Power Co	2,991.0	147,697	1.1	230.1	14.27
Western Massachusetts Elec Co	1,046.9	150,192	1.3	240.2	15.15
Total	**229,073.9**	**149,976**	**.93**	**240.25**	**15.13**

* = Number less than 0.05 rounded to zero.

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 12. Receipts of Petroleum Coke, 1988

Company	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Central Elec Power Coop MO.	4.0	13,931	4.43	0.61	96.8	26.96
Iowa Southern Utilities	1.5	14,816	5.33	.49	82.7	24.51
Northern Indiana Pub Serv Co	63.9	14,000	5.50	2.00	93.2	26.09
Northern States Power Co	49.2	14,246	5.34	.61	82.2	23.43
Pennsylvania Power & Light Co	**237.0**	**14,086**	**5.20**	**.66**	**101.5**	**28.59**
Total	355.6	14,094	5.26	.89	97.2	27.39

• Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 13. The 20 Largest Companies Ranked by Total Receipts of Petroleum, 1988

Company	Total Petroleum Receipts		Total Estimated Petroleum Bill (million dollars)
	(thousand barrels)	(dollars per barrel)	
1. Florida Power & Light Co	25,727.7	14.36	369.5
2. Consolidated Edison Co-NY Inc	21,148.8	16.10	340.4
3. Long Island Lighting Co	19,097.0	15.53	296.5
4. Connecticut Light & Power Co	12,047.1	15.41	185.6
5. Boston Edison Co	11,342.4	13.97	158.4
6. Niagara Mohowk Power Corp	10,790.0	15.16	163.6
7. Hawaiian Electric Co Inc	9,999.6	17.96	179.6
8. Central Hudson Gas & Elec Corp	9,873.7	14.70	145.2
9. Canal Electric Co	9,458.0	12.87	121.7
10. New England Power Co	8,425.6	15.77	132.9
11. Florida Power Corp	7,513.7	13.60	102.2
12. United Illuminating Co	6,463.4	14.54	94.0
13. Pennsylvania Power & Light Co	6,131.0	14.99	91.9
14. Pacific Gas & Electric Co	5,825.0	16.16	94.1
15. Southern California Edison Co	5,247.6	16.51	86.6
16. Public Service Elec & Gas-NJ	5,225.3	16.03	83.8
17. Public Service Co of NH	5,129.7	12.13	62.2
18. Central Maine Power Co	5,024.7	14.68	73.8
19. Orange and Rockland Utils Inc	4,784.5	16.61	79.5
20. Jacksonville Electric Auth	4,356.7	13.14	57.3

• Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 14. Receipts of Gas by Type of Purchase, 1984-1988 (Billion Cubic Feet)

Type of Purchase	1988	1987	1986	1985	1984
Firm Gas	1,326,461.4	[R] 1,342,718.7	[R] 1,462,098.2	[R] 1,656,576.7	[R] 1,811,956.2
Interruptible Gas	1,009,097.0	[R] 1,230,041.7	[R] 900,895.7	[R] 1,123,085.2	[R] 1,034,755.7
Off-Peak Gas	27,162.2	32,430.6	24,628.4	29,257.5	32,096.2
Total	2,362,720.6	[R] 2,605,191.3	[R] 2,387,622.3	[R] 2,808,921.3	[R] 2,878,808.1

[R] Data are Revised.

Notes: • Data for 1984 through 1987 have been revised to reflect the elimination of data for gas turbine units. • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 15. Receipts of Gas by Census Division, 1984-1988
(Thousand Mcf)

Census Division	1988	1987	1986	1985	1984
New England	14,978.0	44,762.0	10,918.1	43,817.2	32,690.6
Middle Atlantic	176,696.0	216,017.8	156,460.3	216,673.1	240,530.7
East North Central	22,216.4	15,302.0	[R] 17,700.9	13,832.7	12,194.6
West North Central	22,480.0	19,343.0	15,999.0	21,009.3	32,288.5
South Atlantic	138,859.1	[R] 170,014.9	[R] 150,688.6	[R] 151,743.2	[R] 165,132.5
East South Central	29,958.4	37,606.7	45,660.2	52,012.8	60,779.1
West South Central	1,402,134.1	[R] 1,455,725.2	[R] 1,540,621.4	[R] 1,632,960.5	[R] 1,742,335.4
Mountain	46,002.4	[R] 40,891.4	[R] 40,075.2	[R] 53,440.3	[R] 46,740.8
Pacific	509,394.2	[R] 603,526.2	[R] 409,496.5	[R] 623,432.0	[R] 546,116.0
Pacific Noncontiguous	–	–	–	–	–
Total	2,362,720.6	[R] 2,605,191.3	[R] 2,387,622.3	[R] 2,808,921.3	[R] 2,878,808.1

[R] Data are Revised.

Notes: • Data for 1984 through 1987 have been revised to reflect the elimination of data for gas turbine units. • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 16. Receipts of Gas and Average Cost by Type of Purchase, 1984-1988
(Cents per Million Btu)

Type of Purchase	1988	1987	1986	1985	1984
Firm Gas	214.9	[R] 222.8	[R] 232.6	[R] 309.2	[R] 306.6
Interruptible Gas	241.9	[R] 225.3	[R] 240.0	[R] 395.3	[R] 448.3
Off-Peak Gas	212.2	222.3	208.3	370.9	427.5
Total	226.3	[R] 224.0	[R] 235.1	[R] 344.4	[R] 360.3

[R] Data are Revised.

Notes: • Data for 1984 through 1987 have been revised to reflect the elimination of data for gas turbine units. • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 17. The 20 Largest Companies Ranked by Total Receipts of Gas, 1988

Company	Total Gas Receipts		Total Estimated Gas Bill (million dollars)
	(thousand Mcf)	(dollars per Mcf)	
1. Texas Utilities Electric Co	357,850.9	2.57	918.0
2. Pacific Gas & Electric Co	262,323.5	2.72	712.3
3. Houston Lighting & Power Co	231,479.3	1.82	420.7
4. Gulf States Utilities Co	155,251.0	1.89	292.9
5. Southern California Edison Co	153,387.6	3.44	528.0
6. Louisiana Power & Light Co	114,610.0	1.41	161.7
7. Florida Power & Light Co	95,322.0	2.05	195.1
8. Central Power & Light Co	92,926.9	2.30	214.2
9. Oklahoma Gas & Electric Co	91,688.5	2.85	261.6
10. Consolidated Edison Co-NY Inc	69,925.0	2.32	162.1
11. Public Service Co of Oklahoma	56,823.0	3.11	176.8
12. San Antonio City Pub Service	52,871.9	1.94	102.6
13. Los Angeles Dept of	49,938.6	2.93	146.6
14. West Texas Utilities Co	37,821.8	1.71	64.7
15. San Diego Gas & Electric Co	32,076.0	2.32	74.5
16. Pub Serv Elec and Gas-NJ	28,026.4	2.32	64.9
17. Southwestern Pub Service	27,588.0	2.03	55.9
18. Central Louisiana Elec Co Inc	26,223.0	2.11	55.5
19. New Orleans Pub Service	25,436.0	1.94	49.4
20. Long Island Lighting Co	25,141.0	2.21	55.6

• Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 18. Receipts of Coal by State of Origin, 1988

Coal Producing State	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Alabama	14,746.7	12,252	1.30	11.89	204.3	50.05
Arizona	12,182.1	11,022	.50	9.07	100.0	22.05
Arkansas	221.8	6,679	.54	10.08	118.5	15.83
Colorado	13,218.3	10,642	.40	8.14	140.0	29.80
Illinois	53,748.6	11,183	2.56	9.54	163.1	36.48
Indiana	24,732.9	11,144	2.49	9.10	128.3	28.61
Iowa	95.0	10,327	2.27	9.08	134.3	27.75
Kansas	556.2	10,655	4.15	18.94	126.9	27.04
Kentucky	115,893.5	12,170	1.78	10.13	157.5	38.34
Louisiana	2,968.8	6,935	.56	11.64	125.7	17.44
Maryland	2,481.1	12,656	1.59	12.37	143.6	36.35
Missouri	3,774.4	10,558	4.46	11.93	129.6	27.37
Montana	36,549.9	8,925	.58	7.34	132.7	23.69
New Mexico	20,945.2	9,366	.69	18.89	141.2	26.44
North Dakota	23,765.9	6,549	.71	8.91	74.7	9.78
Ohio	28,510.9	11,734	3.24	11.24	157.7	37.01
Oklahoma	1,436.2	12,639	2.42	9.56	143.3	36.22
Pennsylvania	45,381.7	12,373	1.80	13.05	149.0	36.88
Tennessee	4,506.1	12,556	1.31	10.29	143.2	35.95
Texas	46,326.9	6,294	.91	16.80	108.3	13.64
Utah	13,574.9	11,575	.49	10.45	129.6	30.00
Virginia	18,069.6	12,982	1.10	9.25	164.1	42.60
Washington	5,174.0	8,144	.69	14.66	157.9	25.72
West Virginia	79,737.4	12,557	1.59	10.80	155.2	38.97
Wyoming	158,207.5	8,695	.40	5.68	139.7	24.30
Imported	969.9	12,235	.73	6.13	145.0	35.48
Total	**727,775.5**	**10,451**	**1.32**	**9.88**	**146.6**	**30.64**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger. • Imported includes coal from Australia, Canada, Colombia S.A., and Venezuela.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 19. Receipts of Coal by Bureau of Mines District, 1988

Bureau of Mines District	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
District 1	38,340.2	12,366	1.80	13.72	149.8	37.04
District 2	12,333.6	12,706	1.81	9.48	145.7	37.02
District 3	29,569.2	12,788	2.06	10.07	145.7	37.26
District 4	28,510.9	11,734	3.24	11.24	157.7	37.01
District 6	7,300.9	12,092	3.84	11.43	146.1	35.32
District 7	1,007.3	13,215	1.10	8.10	173.4	45.82
District 8	137,970.7	12,522	1.03	9.92	168.1	42.11
District 9	38,095.1	11,611	3.16	11.07	126.6	29.40
District 10	53,748.6	11,183	2.56	9.54	163.1	36.48
District 11	24,732.9	11,144	2.49	9.10	128.3	28.61
District 12	95.0	10,327	2.27	9.08	134.3	27.75
District 13	15,473.9	12,262	1.27	11.91	200.4	49.15
District 14	516.1	10,482	1.01	8.99	142.0	29.77
District 15	54,768.2	6,795	1.21	16.06	113.1	15.38
District 17	13,774.1	10,692	.40	8.42	143.4	30.67
District 18	32,571.5	9,942	.62	15.28	122.6	24.37
District 19	158,207.5	8,695	.40	5.68	139.7	24.30
District 20	13,574.9	11,575	.49	10.45	129.6	30.00
District 21	23,765.9	6,549	.71	8.91	74.7	9.78
District 22	36,549.9	8,925	.58	7.34	132.7	23.69
District 23	5,174.0	8,144	.69	14.66	157.9	25.72
District 24	725.0	8,656	.57	33.07	92.9	16.08
Imported	969.9	12,235	.73	6.13	145.0	35.48
Total	**727,775.5**	**10,451**	**1.32**	**9.88**	**146.6**	**30.64**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger. • Imported includes coal from Australia, Canada, Colombia S.A., and Venezuela.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 20. Receipts of Coal and Average Cost by Sulfur Content and State of Origin, 1988

Coal Producing State	1.0% or Less			More than 1.0% up to 2.0%			More than 2.0% up to 3.0%			More than 3.0%		
	Quantity (thousand short tons)	(cents per million Btu)	(dollars per short ton)	Quantity (thousand short tons)	(cents per million Btu)	(dollars per short ton)	Quantity (thousand short tons)	(cents per million Btu)	(dollars per short ton)	Quantity (thousand short tons)	(cents per million Btu)	(dollars per short ton)
Alabama	6,735.9	218.3	53.03	5,349.4	187.5	46.36	2,604.8	205.1	50.47	56.6	109.7	26.32
Arizona	12,182.1	100.0	22.05	–	–	–	–	–	–	–	–	–
Arkansas	221.8	118.5	15.83	–	–	–	–	–	–	–	–	–
Colorado	13,183.9	140.1	29.81	34.4	123.3	26.84	–	–	–	–	–	–
Illinois	2,956.8	159.0	34.43	10,100.6	171.6	39.59	22,467.5	165.0	37.56	18,223.7	156.2	33.75
Indiana	960.8	145.0	32.26	3,666.1	122.4	27.73	14,627.4	129.2	28.64	5,478.6	127.3	28.46
Iowa	–	–	–	38.0	133.6	27.57	42.0	133.0	27.92	15.0	140.2	27.70
Kansas	–	–	–	–	–	–	40.9	121.5	29.99	515.3	127.4	26.81
Kentucky	38,144.4	177.8	44.78	38,601.0	165.5	40.73	21,427.0	138.5	32.92	17,721.0	114.2	25.83
Louisiana	2,968.8	125.7	17.44	–	–	–	–	–	–	–	–	–
Maryland	56.0	132.4	33.97	2,393.0	144.1	36.49	32.0	127.4	30.02	–	–	–
Missouri	–	–	–	–	–	–	9.0	126.6	26.89	3,765.4	129.6	27.37
Montana	36,512.3	132.7	23.68	37.6	173.9	31.36	–	–	–	–	–	–
New Mexico	20,945.2	141.2	26.44	–	–	–	–	–	–	–	–	–
North Dakota	22,687.7	73.7	9.65	1,078.2	94.2	12.55	–	–	–	–	–	–
Ohio	51.4	141.4	33.30	826.3	138.8	33.90	10,971.8	158.7	37.47	16,661.7	158.1	36.86
Oklahoma	417.5	167.1	42.46	267.4	156.7	40.98	37.0	118.1	30.50	714.2	125.1	31.10
Pennsylvania	2,412.0	141.7	32.74	29,248.5	149.6	37.38	13,011.3	149.4	36.68	709.8	140.7	33.84
Tennessee	1,861.9	161.8	40.78	2,039.8	130.2	32.67	555.8	131.5	32.75	48.6	101.7	25.25
Texas	30,884.0	96.7	12.59	15,442.9	134.0	15.73	–	–	–	–	–	–
Utah	13,574.9	129.6	30.00	–	–	–	–	–	–	–	–	–
Virginia	7,975.0	171.1	44.30	9,885.7	158.9	41.38	209.0	141.5	34.96	–	–	–
Washington	5,174.0	157.9	25.72	–	–	–	–	–	–	–	–	–
West Virginia	38,260.5	166.6	41.80	16,424.3	148.7	37.12	14,749.1	142.8	36.74	10,303.5	140.6	34.59
Wyoming	158,139.7	139.7	24.30	67.8	129.7	25.58	–	–	–	–	–	–
Imported	918.0	143.3	34.87	25.8	170.3	45.67	26.1	175.1	46.91	–	–	–
Total	**417,224.8**	**143.6**	**27.53**	**135,526.9**	**155.9**	**36.08**	**100,810.5**	**149.0**	**35.33**	**74,213.3**	**140.2**	**31.88**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger. • Imported includes coal from Australia, Canada, Colombia S.A., and Venezuela.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 21. Receipts of Coal by Coal Producing Region, 1984-1988
(Thousand Short Tons)

Coal Producing Region	1988	1987	1986	1985	1984
Appalachian Region	271,231.8	286,027.3	269,805.2	255,360.7	273,993.1
Interior Region	122,438.3	132,157.6	128,195.9	122,765.9	136,059.0
Western Region	259,684.1	235,315.4	223,071.3	227,694.3	216,202.6
Other	73,451.3	67,032.3	64,405.9	59,623.5	57,072.6
Total	**727,775.5**	**721,298.0**	**686,964.1**	**666,743.3**	**684,110.7**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 22. Receipts of Appalachian Region Coal, 1988

Company	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Alabama Electric Coop Inc	1,192.2	12,020	1.37	12.37	159.5	38.34
Alabama Power Co	13,626.2	12,270	1.27	11.84	206.4	51.14
Appalachian Power Co	8,957.7	12,501	.74	11.24	161.3	40.32
Atlantic City Electric Co	622.0	13,118	2.61	9.39	170.8	44.81
Baltimore Gas & Electric Co	3,195.0	12,940	1.05	9.00	156.7	40.55
Cajun Electric Power Coop Inc	218.3	12,909	.66	7.75	179.7	46.38
Cardinal Operating Co	3,595.1	11,810	2.27	13.23	154.8	36.56
Carolina Power & Light Co	8,768.4	12,599	.90	10.03	177.4	44.69
Central Hudson Gas & Elec Corp	949.5	13,078	.58	8.49	191.1	49.99
Central Illinois Light Co	1,060.0	13,341	.69	5.74	173.7	46.35
Central Illinois Pub Serv Co	16.9	13,126	.73	6.70	172.4	45.26
Central Operating Co	1,102.5	12,458	.88	10.76	166.5	41.49
Cincinnati Gas & Electric Co	5,340.2	11,552	1.65	12.93	155.3	35.89
Cleveland Electric Illum Co	5,061.0	12,517	2.67	9.45	155.7	38.99
Columbus & Southern Ohio El Co	3,213.8	11,845	2.99	8.13	159.0	37.67
Columbus City of	58.2	12,385	.69	7.24	153.5	38.02
Consumers Power Co	6,591.5	12,529	.78	9.59	182.7	45.78
Dairyland Power Coop	1.8	11,614	.90	10.00	133.5	31.01
Dayton Power & Light Co	8,123.2	11,853	1.31	13.05	145.1	34.39
Deepwater Operating Co	156.0	13,153	.81	7.88	170.3	44.79
Delmarva Power & Light Co	2,524.6	12,901	1.08	9.14	190.6	46.60
Detroit Edison Co	9,555.0	12,964	.95	7.59	184.9	47.94
Duke Power Co	8,444.0	12,552	.96	10.01	177.6	44.59
Duquesne Light Co	2,055.0	12,278	1.65	12.62	141.9	34.85
East Kentucky Power Coop	2,893.5	12,044	1.13	11.59	109.8	26.44
Florida Power Corp	5,600.4	12,677	.83	8.77	186.2	47.22
Gainesville City of	598.5	13,394	.74	6.26	170.5	45.67
Georgia Power Co	16,929.9	12,417	1.37	10.59	171.2	42.52
Gulf Power Co	181.2	12,118	2.81	11.26	126.5	30.66
Hamilton City of	112.6	12,527	.67	8.48	138.9	34.80
Holland City of	125.6	13,293	.83	6.44	159.0	42.27
Holyoke Water Power Co	415.1	13,194	1.31	7.29	172.7	45.58
Illinois Power Co	583.8	12,604	.67	8.55	147.8	37.27
Indiana & Michigan Electric Co	665.8	12,600	.69	8.11	221.2	55.75
Indiana-Kentucky Electric Corp	12.0	11,719	3.13	9.58	110.9	26.00
Jacksonville Electric Auth	2,181.7	12,442	.94	10.71	169.2	42.10
Jamestown City of	137.3	12,764	1.61	11.12	129.4	33.03
Kentucky Power Co	1,771.4	12,032	1.19	12.19	128.6	30.94
Kentucky Utilities Co	3,871.6	12,353	1.04	10.45	138.1	34.12
Lakeland City of	731.2	12,296	1.65	10.95	217.6	53.52
Lansing City of	929.1	13,015	.83	7.10	198.3	51.63
Manitowoc City of	101.9	13,129	.85	7.30	168.4	44.23
Metropolitan Edison Co	1,092.4	13,038	1.80	7.75	162.8	42.45
Michigan South Central Pwr Agy	110.8	11,797	3.20	10.29	203.6	48.04
Mississippi Power Co	2,465.6	12,930	.81	7.30	187.6	48.51
Monongahela Power Co	10,495.4	12,737	2.45	10.06	129.1	32.88
Montaup Electric Co	464.8	13,331	1.16	6.86	171.3	45.67
New England Power Co	3,405.5	13,068	1.20	8.54	158.3	41.38
New York State Elec & Gas Corp	3,436.2	12,472	2.06	12.06	151.5	37.78
Niagara Mohawk Power Corp	3,000.1	13,023	1.82	7.94	147.4	38.41
Northern Indiana Pub Serv Co	595.2	13,274	.72	7.21	165.3	43.88
Ohio Edison Co	8,116.3	12,140	2.18	11.34	121.8	29.58
Ohio Power Co	13,080.9	11,542	3.32	13.11	170.4	39.33
Ohio Valley Electric Corp	2,831.0	11,964	3.75	10.27	137.5	32.90
Orange & Rockland Utils Inc	415.7	13,037	.55	7.36	209.8	54.70
Orlando Utilities Comm	953.3	13,235	.95	6.38	186.6	49.40
Painesville City of	84.4	12,772	2.70	7.68	128.4	32.79
Pennsylvania Electric Co	15,979.0	12,117	1.81	15.53	137.1	33.23
Pennsylvania Power & Light Co	9,007.0	12,230	1.74	14.79	165.4	40.45
Pennsylvania Power Co	6,279.8	12,079	3.72	11.93	144.9	35.01
Philadelphia Electric Co	1,071.0	13,179	1.53	7.43	156.9	41.35
Potomac Edison Co	219.6	13,195	.98	9.40	133.9	35.32
Potomac Electric Power Co	6,308.7	12,615	1.57	11.39	161.6	40.77
Public Service Co of NH	1,209.7	13,330	2.31	7.17	177.9	47.43
Public Service Electric&Gas Co	1,614.8	13,438	.83	6.93	171.5	46.09
Richmond City of	28.5	12,292	1.05	10.54	125.0	30.74
Rochester Gas & Electric Corp	623.5	13,158	1.94	7.18	165.6	43.59
S Mississippi Elec Pwr Assn	749.7	12,550	.92	8.40	200.5	50.33
Savannah Electric & Power Co	870.3	12,951	.85	7.93	170.2	44.07

See footnotes at end of table.

Table 22. Receipts of Appalachian Region Coal, 1988 (Continued)

Company	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
South Carolina Electric&Gas Co	4,373.8	12,897	1.18	8.99	171.8	44.31
South Carolina Pub Serv Auth	4,211.0	12,452	1.17	9.84	180.7	44.99
Tampa Electric Co	3,088.7	12,941	1.44	6.58	201.3	52.10
Tennessee Valley Authority	14,278.6	12,188	1.46	10.77	148.5	36.20
Toledo Edison Co	1,337.8	13,179	1.20	6.71	202.9	53.49
Union Electric Co	7.0	11,000	1.26	12.00	125.5	27.61
United Illuminating Co	830.0	13,139	.52	6.29	228.6	60.07
Vineland City of	84.0	12,959	.91	8.65	185.1	47.97
Virginia Electric & Power Co	9,060.0	12,622	1.32	10.73	144.9	36.58
West Penn Power Co	5,008.4	12,621	2.28	10.49	130.6	32.95
Wisconsin Electric Power Co	1,817.7	12,990	1.30	7.91	154.7	40.18
Wisconsin Power & Light Co	7.1	13,997	.76	4.60	180.9	50.63
Wisconsin Public Service Corp	202.0	13,078	1.84	7.48	144.7	37.84
Wyandotte Municipal Serv Comm	125.6	13,548	.66	5.58	190.0	51.48
Total	**271,231.8**	**12,420**	**1.60**	**10.80**	**162.1**	**40.26**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger. • The Appalachian Region includes Alabama, Georgia, eastern Kentucky, Maryland, Ohio, Pennsylvania, Tennessee, Virginia, and West Virginia.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 23. Receipts of Interior Region Coal, 1988

Company	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Associated Electric Coop Inc	5,026.4	10,671	3.86	10.00	134.6	28.72
Big Rivers Electric Corp	5,019.5	11,191	3.16	12.08	122.5	27.43
Cedar Falls City of	38.7	12,155	3.51	11.01	118.8	28.88
Central Electric Pwr Coop-MO	131.0	11,125	2.79	9.24	116.7	25.96
Central Illinois Light Co	1,052.0	10,519	3.37	8.93	193.8	40.76
Central Illinois Pub Serv Co	4,259.9	11,071	2.86	9.33	153.7	34.02
Central Iowa Power Coop	166.7	11,343	2.80	10.28	116.4	26.41
Cincinnati Gas & Electric Co	1,183.1	11,382	2.49	8.55	101.2	23.03
Columbia City of	58.2	10,844	3.81	10.71	154.3	33.46
Commonwealth Edison Co	1,892.0	10,315	3.37	10.07	167.5	34.55
Dairyland Power Coop	707.0	11,170	2.55	9.27	135.1	30.19
Dayton Power & Light Co	30.5	10,431	3.62	14.22	92.6	19.33
Detroit Edison Co	48.0	12,813	1.03	6.80	137.4	35.21
Electric Energy Inc	2,140.0	11,807	2.11	8.27	135.7	32.04
Empire District Electric Co	652.0	10,794	5.02	21.61	113.3	24.46
Georgia Power Co	7,335.0	11,517	2.58	9.23	184.0	42.38
Grand Haven City of	159.9	10,902	2.53	10.46	160.0	34.89
Grand River Dam Authority	94.9	12,734	3.52	11.59	108.7	27.68
Gulf Power Co	3,573.9	12,283	2.79	9.04	162.2	39.85
Hoosier Energy R E C Inc	2,370.6	11,058	3.43	11.34	113.4	25.09
Illinois Power Co	5,737.6	11,000	2.60	9.86	147.7	32.50
Indiana & Michigan Electric Co	1,399.7	11,041	3.39	9.85	142.0	31.35
Indiana-Kentucky Electric Corp	3,920.0	11,543	3.32	10.67	109.4	25.27
Indianapolis Power & Light Co	5,281.0	11,181	2.05	8.09	109.0	24.38
Interstate Power Co	573.3	10,994	2.75	9.78	139.9	30.76
Iowa Electric Light & Power Co	785.0	11,520	2.19	8.10	138.5	31.91
Iowa Southern Utilities Co	400.5	11,044	2.71	9.51	105.3	23.26
Iowa-Illinois Gas&Electric Co	303.0	11,820	1.98	7.74	113.1	26.73
Kansas City City of	556.8	11,545	2.56	11.41	175.8	40.59
Kansas City Power & Light Co	1,027.6	10,680	3.35	14.58	121.2	25.89
Kentucky Utilities Co	2,013.1	11,467	2.35	7.99	111.1	25.47
Louisville Gas & Electric Co	3,529.1	11,353	3.31	11.23	129.8	29.48
Madison Gas & Electric Co	150.0	12,164	2.09	7.66	163.6	39.79
Mississippi Power Co	1,655.0	12,319	2.49	7.86	162.2	39.97
Missouri Public Service Comm	835.5	10,979	3.07	10.27	158.0	34.69
Muscatine City of	486.7	11,325	2.93	6.24	195.3	44.23
Northern Indiana Pub Serv Co	3,217.0	11,070	3.07	9.91	165.8	36.71
Northern States Power Co	15.9	11,830	1.97	7.37	134.9	31.93
Oklahoma Gas & Electric Co	457.4	13,010	1.28	7.57	151.5	39.41
Owensboro City of	537.7	10,768	2.85	11.71	129.3	27.84
Public Service Co of IN Inc	10,796.0	10,884	2.35	10.21	151.1	32.89
Public Service Co of Oklahoma	97.5	12,465	.51	8.34	166.1	41.41
Richmond City of	193.0	11,315	2.77	11.74	167.7	37.95
Rochester City of	106.7	12,148	1.55	6.90	197.0	47.86
Seminole Electric Coop Inc	2,283.0	12,007	2.86	8.34	196.3	47.15
Sikeston City of	604.1	11,413	2.53	11.32	156.2	35.66
Southern Illinois Power Coop	700.0	10,476	3.20	18.84	78.7	16.48
Southern Indiana Gas & Elec Co	2,240.6	11,245	3.25	8.60	145.4	32.70
Springfield City of (MO)	815.1	12,135	3.52	10.37	124.2	30.15
Springfield City of (IL)	895.0	10,361	2.97	9.21	162.3	33.63
St Joseph Light & Power Co	183.0	12,463	3.80	12.38	134.4	33.50
Tampa Electric Co	3,660.2	11,725	2.81	8.87	152.8	35.84
Tennessee Valley Authority	18,495.0	11,547	3.19	11.43	118.5	27.36
Union Electric Co	8,936.0	11,209	1.94	9.48	166.2	37.26
Western Farmers Elec Coop Inc	71.7	13,650	.78	6.92	175.5	47.91
Wisconsin Electric Power Co	1,312.1	11,767	1.59	7.78	182.6	42.97
Wisconsin Power & Light Co	1,457.3	11,318	1.91	8.35	161.2	36.49
Wisconsin Public Service Corp	776.0	11,135	2.08	9.49	186.9	41.63
Total	**122,438.3**	**11,303**	**2.80**	**10.04**	**143.1**	**32.35**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger. • The Interior Region includes Arkansas, Illinois, Indiana, Iowa, Kansas, western Kentucky, Missouri, Oklahoma, and Texas. • This table excludes all lignite receipts.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 24. Receipts of Western Region Coal, 1988

Company	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Alamito Co	1,249.5	9,565	0.78	13.85	185.8	35.55
Ames City of	199.5	8,802	.22	4.76	121.8	21.45
Arizona Electric Pwr Coop Inc	609.2	11,984	.38	16.08	170.1	40.77
Arizona Public Service Co	11,585.8	9,029	.70	19.81	111.7	20.17
Arkansas Power & Light Co	9,962.3	8,747	.34	5.61	160.4	28.05
Basin Electric Power Coop	7,127.7	8,395	.36	5.70	70.4	11.82
Cajun Electric Power Coop Inc	4,910.7	8,368	.47	5.70	140.1	23.44
Cedar Falls City of	1.5	8,751	.20	4.66	143.7	25.15
Central Louisiana Elec Co Inc	1,932.0	8,658	.53	6.12	177.2	30.68
Central Power & Light Co	1,912.1	10,815	.37	5.54	207.9	44.97
Colorado Springs City of	1,206.9	10,575	.37	7.13	167.7	35.48
Colorado Ute Electric Assn Inc	6,056.8	10,316	.40	8.12	90.3	18.62
Commonwealth Edison Co	9,039.7	9,540	.41	6.05	286.9	54.73
Consumers Power Co	145.8	8,901	.38	4.85	130.0	23.15
Dairyland Power Coop	1,420.9	8,504	.41	5.50	127.8	21.74
Deseret Generation & Tran Coop	1,029.0	10,770	.43	8.46	247.9	53.39
Detroit Edison Co	8,913.0	9,543	.38	4.18	156.1	29.79
Electric Energy Inc	9.5	9,402	.51	5.00	127.2	23.92
Empire District Electric Co	168.6	8,736	.21	4.76	123.4	21.57
Fremont City of	126.8	10,918	.52	7.11	150.6	32.89
Grand Island City of	247.3	8,438	.34	5.09	79.8	13.47
Grand River Dam Authority	2,703.9	8,364	.37	5.04	101.7	17.02
Gulf States Utilities Co	2,048.0	8,658	.51	6.28	201.4	34.87
Hastings City of	198.8	8,681	.33	5.18	90.2	15.66
Houston Lighting & Power Co	7,996.0	8,491	.42	5.72	239.1	40.60
Indiana & Michigan Electric Co	3,224.7	8,235	.35	5.19	161.7	26.64
Interstate Power Co	807.2	8,429	.34	4.71	212.6	35.83
Iowa Electric Light & Power Co	10.0	11,381	.65	6.47	148.3	33.75
Iowa Power & Light Co	2,830.7	8,424	.35	4.78	100.4	16.91
Iowa Public Service Co	2,967.9	9,502	.50	6.26	120.9	22.98
Iowa Southern Utilities Co	2,281.9	8,402	.34	5.46	110.2	18.52
Iowa-Illinois Gas&Electric Co	2,198.0	8,375	.35	5.18	111.8	18.72
Kansas City City of	935.9	8,556	.38	5.02	109.3	18.70
Kansas City Power & Light Co	7,120.2	8,682	.32	4.94	94.1	16.33
Kansas Power & Light Co	9,044.3	8,814	.42	5.22	128.3	22.61
Los Angeles City of	4,372.9	11,777	.56	8.66	139.8	32.92
Lower Colorado River Authority	5,375.0	8,674	.30	5.02	146.5	25.41
Marquette City of	117.3	8,899	.50	6.43	189.1	33.65
Minnesota Power & Light Co	3,818.7	8,593	.80	8.91	132.5	22.77
Montana Power Co	10,306.0	8,552	.67	9.46	53.7	9.19
Nebraska Public Power District	3,611.0	8,813	.37	5.08	97.3	17.14
Nevada Power Co	1,443.0	11,826	.56	9.17	200.4	47.40
Northern Indiana Pub Serv Co	2,004.3	10,110	.44	5.06	171.6	34.70
Northern States Power Co	11,337.4	8,741	.51	7.11	114.0	19.92
Oklahoma Gas & Electric Co	5,711.0	8,900	.36	4.90	157.0	27.94
Omaha Public Power District	3,301.4	8,329	.35	4.81	65.4	10.89
Otter Tail Power Co	207.5	8,929	.55	7.11	115.2	20.58
Pacific Power & Light Co	18,895.0	8,617	.58	10.64	104.6	18.02
Plains Elec Gen&Trans Coop Inc	858.1	9,500	.77	14.51	134.8	25.62
Platte River Power Authority	1,183.0	8,833	.29	5.63	70.5	12.46
Portland General Electric Co	234.6	8,528	.33	4.73	139.0	23.70
Public Service Co of Colorado	6,502.3	9,286	.37	6.17	116.9	21.70
Public Service Co of NM	4,889.8	9,540	.74	21.32	152.6	29.11
Public Service Co of Oklahoma	2,607.0	8,574	.48	6.16	161.8	27.74
Salt River Proj Ag I & P Dist	9,102.6	10,916	.48	9.61	123.2	26.89
San Antonio City of	3,179.6	8,445	.36	5.43	145.5	24.57
Sierra Pacific Power Co	1,430.0	10,589	.42	8.53	188.7	39.96
Southern California Edison Co	5,013.3	11,005	.50	9.94	102.2	22.49
Southwestern Electric Power Co	6,703.0	8,441	.34	4.67	190.0	32.07
Southwestern Public Service Co	7,912.0	8,777	.35	5.05	163.7	28.74
Sunflower Electric Coop Inc	1,000.2	8,345	.36	5.36	98.2	16.39
Texas Municipal Power Agency	68.7	8,450	.35	5.30	139.0	23.49
Tucson Electric Power Co	348.0	10,300	.45	11.67	264.8	54.54
Union Electric Co	1,655.0	8,533	.50	5.96	108.2	18.46
Utah Power & Light Co	9,428.0	10,913	.56	10.44	103.8	22.67
West Texas Utilities Co	2,053.1	8,377	.37	4.99	171.8	28.79
Western Farmers Elec Coop Inc	1,611.9	8,603	.33	5.20	168.8	29.04
Wisconsin Electric Power Co	5,789.7	8,515	.37	5.38	108.5	18.48
Wisconsin Power & Light Co	4,219.6	8,781	.52	6.54	161.6	28.37

See footnotes at end of table.

Table 24. Receipts of Western Region Coal, 1988—Continued

Company	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Wisconsin Public Service Corp	1,172.0	8,895	0.36	4.95	186.8	33.24
Total	**259,684.1**	**9,130**	**.46**	**7.89**	**136.3**	**24.89**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger. • The Western Region includes Arizona, Colorado, Montana, New Mexico, North Dakota, Utah, Washington, and Wyoming. • This table excludes all lignite receipts.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 25. Receipts of Lignite, 1988

Company	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Arkansas Power & Light Co	221.8	6,679	0.54	10.08	118.5	15.83
Basin Electric Power Coop	7,738.9	6,658	.67	8.50	71.3	9.50
Central Louisiana Elec Co Inc	2,968.8	6,935	.56	11.64	125.7	17.44
Coop Power Assn	6,765.1	6,299	.64	10.59	72.2	9.10
Houston Lighting & Power Co	7,473.9	6,399	1.01	18.08	155.3	19.88
Lower Colorado River Authority	218.0	6,491	1.35	12.16	159.3	20.68
Minnkota Power Coop Inc	3,863.2	6,707	.71	7.48	48.6	6.52
Montana-Dakota Utilities Co	2,394.4	6,895	.92	8.30	85.0	11.72
Otter Tail Power Co	2,052.0	6,181	.92	7.97	123.5	15.26
San Miguel Electric Coop Inc	3,162.8	5,198	1.69	26.20	77.8	8.08
Southwestern Electric Power Co	2,370.0	6,812	1.48	10.76	131.9	17.97
Texas Municipal Power Agency	3,376.2	4,672	1.13	25.39	140.9	13.17
Texas Utilities Electric Co	29,726.0	6,526	.73	15.02	94.4	12.31
United Power Assn	1,120.1	6,698	.65	9.37	103.2	13.83
Total	**73,451.3**	**6,404**	**.83**	**14.00**	**98.0**	**12.55**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger. • This table includes all lignite mined in the continental United States and reported on FERC Form 423.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 26. Origin and Destination of Coal Received by State, 1988
(Thousand Short Tons)

Destination	Origin								
	Alabama	Arizona	Arkansas	Colorado	Illinois	Indiana	Iowa	Kansas	Kentucky
Alabama	14,580.2	–	–	–	211.6	–	–	–	1,656.8
Arizona	–	7,168.8	–	538.7	–	–	–	–	–
Arkansas	–	–	221.8	–	–	–	–	–	–
California	–	–	–	–	–	–	–	–	–
Colorado	–	–	–	9,411.0	–	–	–	–	–
Connecticut	–	–	–	–	–	–	–	–	818.0
Delaware	–	–	–	–	–	–	–	–	110.0
Florida	145.6	–	–	–	4,354.9	91.1	–	–	14,517.3
Georgia	–	–	–	–	5,580.4	–	–	–	12,896.1
Illinois	–	–	–	–	14,351.0	1,210.7	–	–	2,417.6
Indiana	4.8	–	–	294.8	9,000.7	17,332.0	–	–	3,814.7
Iowa	–	–	–	–	2,034.1	505.2	95.0	–	33.7
Kansas	–	–	–	–	1,211.7	–	–	314.9	–
Kentucky	–	–	–	–	19.3	3,025.9	–	–	23,101.6
Louisiana	–	–	–	–	–	–	–	–	–
Maryland	–	–	–	–	–	–	–	–	320.0
Massachusetts	–	–	–	–	–	–	–	–	–
Michigan	–	–	–	–	48.0	159.9	–	–	10,017.1
Minnesota	–	–	–	–	122.6	71.9	–	–	–
Mississippi	16.0	–	–	–	840.5	–	–	–	3,482.2
Missouri	–	–	–	71.0	12,574.7	49.0	–	241.3	14.2
Montana	–	–	–	–	–	–	–	–	–
Nebraska	–	–	–	79.0	–	–	–	–	–
Nevada	–	5,013.3	–	–	–	–	–	–	–
New Hampshire	–	–	–	–	–	–	–	–	–
New Jersey	–	–	–	–	–	–	–	–	19.9
New Mexico	–	–	–	–	–	–	–	–	–
New York	–	–	–	–	–	–	–	–	706.2
North Carolina	–	–	–	–	–	–	–	–	7,857.1
North Dakota	–	–	–	–	–	–	–	–	–
Ohio	–	–	–	–	–	149.4	–	–	8,302.2
Oklahoma	–	–	–	–	–	–	–	–	–
Oregon	–	–	–	–	–	–	–	–	–
Pennsylvania	–	–	–	–	–	–	–	–	13.1
South Carolina	–	–	–	–	–	–	–	–	7,841.5
South Dakota	–	–	–	–	–	–	–	–	–
Tennessee	–	–	–	–	1,185.5	–	–	–	15,253.9
Texas	–	–	–	1,794.8	–	–	–	–	–
Utah	–	–	–	1,029.0	–	–	–	–	–
Virginia	–	–	–	–	–	–	–	–	2,021.6
Washington	–	–	–	–	–	–	–	–	–
West Virginia	–	–	–	–	–	–	–	–	469.1
Wisconsin	–	–	–	–	2,213.6	2,137.8	–	–	209.7
Wyoming	–	–	–	–	–	–	–	–	–
Total	14,746.7	12,182.1	221.8	13,218.3	53,748.6	24,732.9	95.0	556.2	115,693.5

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 26. Origin and Destination of Coal Received by State, 1988 (Continued)
(Thousand Short Tons)

Destination	Origin								
	Louisiana	Maryland	Missouri	Montana	N Mexico	N Dakota	Ohio	Oklahoma	Penn.
Alabama	–	–	–	–	–	–	2,650.5	–	–
Arizona	–	–	–	–	6,413.8	–	–	–	–
Arkansas	–	–	–	–	–	–	–	–	–
California	–	–	–	–	–	–	–	–	–
Colorado	–	–	–	–	–	–	–	–	–
Connecticut	–	–	–	–	–	–	–	–	–
Delaware	–	–	–	–	–	–	–	–	691.3
Florida	–	–	–	–	–	–	–	53.3	–
Georgia	–	–	–	–	–	–	–	–	–
Illinois	–	–	–	2,729.2	–	–	–	–	–
Indiana	–	–	–	466.1	–	–	11.5	–	–
Iowa	–	–	9.0	7	–	–	–	–	–
Kansas	–	–	92.9	–	–	–	–	58.5	–
Kentucky	–	–	–	–	–	–	277.1	–	44.3
Louisiana	2,968.8	–	–	–	–	–	–	–	–
Maryland	–	1,220.6	–	–	–	–	–	–	2,775.0
Massachusetts	–	131.0	–	–	–	–	–	–	436.8
Michigan	–	–	–	9,874.9	–	–	148.8	–	1,868.9
Minnesota	–	–	–	10,069.0	–	37.0	–	–	–
Mississippi	–	–	–	–	–	–	–	–	–
Missouri	–	–	3,672.5	–	–	–	–	603.0	–
Montana	–	–	–	10,473.8	–	–	–	–	–
Nebraska	–	–	–	.4	–	–	–	–	–
Nevada	–	–	–	–	–	–	–	–	–
New Hampshire	–	–	–	–	–	–	–	–	147.7
New Jersey	–	–	–	–	–	–	–	–	21.0
New Mexico	–	–	–	–	14,521.7	–	–	–	–
New York	–	7.5	–	–	–	–	158.2	–	4,973.6
North Carolina	–	–	–	–	–	–	–	–	–
North Dakota	–	–	–	–	–	21,713.9	–	–	–
Ohio	–	–	–	–	–	–	22,651.5	–	3,386.4
Oklahoma	–	–	–	–	–	–	–	721.4	–
Oregon	–	–	–	–	–	–	–	–	–
Pennsylvania	–	–	–	–	–	–	2,434.0	–	29,692.6
South Carolina	–	–	–	–	–	–	–	–	–
South Dakota	–	–	–	144.0	–	2,015.0	–	–	–
Tennessee	–	–	–	–	–	–	–	–	–
Texas	–	–	–	569.2	–	–	–	–	–
Utah	–	–	–	–	–	–	–	–	–
Virginia	–	–	–	–	–	–	–	–	–
Washington	–	–	–	86.0	–	–	–	–	–
West Virginia	–	1,122.0	–	–	–	–	179.3	–	193.0
Wisconsin	–	–	–	2,138.6	9.7	–	–	–	1,151.0
Wyoming	–	–	–	–	–	–	–	–	–
Total	**2,968.8**	**2,481.1**	**3,774.4**	**36,549.9**	**20,945.2**	**23,765.9**	**28,510.9**	**1,436.2**	**45,381.7**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 26. Origin and Destination of Coal Received by State, 1988 (Continued)
(Thousand Short Tons)

Destination	Origin Tenn.	Texas	Utah	Virginia	Wash.	West Va.	Wyoming	Imports	Total
Alabama	755.8	-	-	39.7	-	-	-	-	19,894.6
Arizona	-	-	-	-	-	-	-	-	14,121.3
Arkansas	-	-	-	-	-	-	11,685.3	-	11,907.1
California	-	-	-	-	-	-	-	-	-
Colorado	-	-	39.3	-	-	-	5,498.7	-	14,949.0
Connecticut	-	-	-	-	-	12.0	-	-	830.0
Delaware	-	-	-	-	-	1,723.3	-	-	2,524.5
Florida	-	-	-	1,040.0	-	2,650.0	-	918.0	23,770.2
Georgia	1,370.6	-	-	3,689.6	-	1,598.5	-	-	25,135.2
Illinois	-	-	-	-	-	357.9	5,854.0	-	26,920.5
Indiana	-	-	-	174.6	-	381.2	4,934.1	-	36,414.4
Iowa	-	-	-	-	-	-	11,296.0	-	13,973.7
Kansas	-	-	-	-	-	-	13,120.1	-	14,798.1
Kentucky	243.2	-	-	-	-	2,633.0	-	-	29,344.4
Louisiana	-	-	-	-	-	218.3	8,890.7	-	12,077.8
Maryland	-	-	-	-	-	4,538.3	-	-	8,853.9
Massachusetts	-	-	-	1,975.8	-	1,741.8	-	-	4,285.4
Michigan	-	-	-	578.0	-	5,491.5	156.8	-	28,343.9
Minnesota	-	-	-	-	-	-	5,150.1	-	15,450.6
Mississippi	-	-	-	64.2	-	467.4	-	-	4,870.3
Missouri	-	-	-	-	-	-	6,733.2	-	23,958.8
Montana	-	-	-	-	-	-	-	-	10,473.8
Nebraska	-	-	-	-	-	-	7,405.9	-	7,485.3
Nevada	-	-	2,266.0	-	-	-	607.0	-	7,886.3
New Hampshire	-	-	-	9.7	-	1,052.3	-	51.9	1,261.6
New Jersey	-	-	-	888.0	-	1,547.9	-	-	2,476.8
New Mexico	-	-	-	-	-	-	-	-	14,521.7
New York	-	-	-	-	-	2,716.9	-	-	8,562.3
North Carolina	226.8	-	-	4,064.9	-	4,646.5	-	-	16,795.3
North Dakota	-	-	-	-	-	-	-	-	21,713.9
Ohio	-	-	-	-	-	11,519.0	-	-	46,008.5
Oklahoma	-	-	-	-	-	-	12,633.8	-	13,355.2
Oregon	-	-	-	-	-	-	234.6	-	234.6
Pennsylvania	-	-	-	-	-	8,352.6	-	-	40,492.6
South Carolina	169.2	-	-	929.7	-	61.5	-	-	9,001.9
South Dakota	-	-	-	-	-	-	.5	-	2,159.5
Tennessee	1,740.5	-	-	1,264.4	-	314.4	-	-	19,758.7
Texas	-	46,326.9	42.6	-	-	-	31,069.9	-	79,803.4
Utah	-	-	11,226.9	-	-	-	-	-	12,255.9
Virginia	-	-	-	3,343.9	-	2,093.1	-	-	7,458.6
Washington	-	-	-	-	5,174.0	-	361.0	-	5,621.0
West Virginia	-	-	-	-	-	25,472.9	-	-	27,436.3
Wisconsin	-	-	-	7.1	-	147.0	9,600.3	-	17,612.8
Wyoming	-	-	-	-	-	-	22,975.7	-	22,975.7
Total	**4,506.1**	**46,326.9**	**13,574.9**	**18,069.6**	**5,174.0**	**79,737.4**	**158,207.5**	**969.9**	**727,775.5**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 27. Quantity, Quality, and Average Cost of Imported Coal by Company and Country, 1984-1988

Utility Name Year/Country	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		(Btu per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Central Power & Light Co						
1987 Australia	57.1	12,549	0.54	11.80	149.5	37.52
1987 Colombia S.A.	37.2	11,951	.53	6.50	188.8	45.13
Florida Power Corp						
1984 Colombia S.A.	17.7	12,588	.71	9.50	248.0	62.44
1985 Colombia S.A.	361.7	12,483	.64	8.94	223.8	55.88
1986 Colombia S.A.	418.3	12,257	.50	5.45	155.9	38.22
1986 Canada	37.0	10,005	.63	13.50	133.4	26.70
1987 Australia	26.1	12,345	.69	9.71	141.6	34.95
1987 Colombia S.A.	333.3	12,236	.54	5.39	175.0	42.83
1987 Venezuela	19.3	12,744	.68	7.90	150.0	38.23
1988 Australia	38.4	12,415	.66	9.31	154.4	38.34
1988 Venezuela	192.8	13,302	.49	3.57	137.6	36.62
Gulf Power						
1984 South Africa	616.4	11,914	.64	12.52	243.8	58.10
1985 South Africa	865.5	11,757	.59	12.78	254.5	59.85
1986 South Africa	1,030.5	11,755	.53	12.45	216.9	50.98
1987 South Africa	79.3	11,650	.47	12.80	220.8	51.45
Jacksonville Electric Auth						
1987 Colombia S.A.	93.6	11,646	.58	7.90	137.0	31.91
1988 Colombia S.A.	686.9	11,838	.70	6.72	144.4	34.19
Mississippi Power Co						
1987 Colombia S.A.	65.9	12.206	.49	4.27	173.5	42.35
New England Power						
1984 Canada	40.0	12,846	.53	8.90	199.4	51.23
1985 Canada	42.7	12,622	.45	9.61	179.0	45.19
1987 Colombia S.A.	29.0	11,928	.72	7.15	132.5	31.61
Public Service Co of NH						
1987 Canada	15.6	13,100	1.80	8.50	168.6	44.18
1987 Colombia S.A.	9.2	11,825	.67	7.30	153.8	36.37
1988 Canada	51.9	13,403	1.99	5.34	172.7	46.29
Tampa Electric						
1984 Poland	109.3	12,625	.61	7.09	155.5	39.27
Virginia Electric & Power						
1985 Colombia S.A.	29.0	11,795	.73	7.70	175.4	41.38

Note: Included in the average price of imported coal delivered to Florida Power Corporation in 1985 are coal delivered from Virginia, Kentucky, and West Virginia during the months of January through August. Prior to January 1986, the average cost of imported coal delivered to the Crystal River plant included transportation costs directly to the plant. However, beginning in 1986 the average delivered cost for imported coal to the Crystal River plant includeds only transportation costs to the transfer facility in Myrtle Grove, Louisiana and excludes the transportation costs of approximately $7.00 to $10.00 per short ton between the transfer facility and the Crystal River Plant.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 28. Flue Gas Desulfurization (FGD) Capacity in Operation as of December 1987

Utility Plant and Unit No.	Net Generating Capacity (megawatts)		Initial Start Up Date of FGD System	Average Sulfur Content Percent by Wt	FGD Status	FGD Process	Designed SO2 Removal (Percent Efficiency)
	by Plant	by Unit with FGD System					
Alabama Electric Coop Inc							
Tombigbee 2	525	235	7809	1.61	New	Limestone	59.5
Tombigbee 3	–	235	7906	1.61	New	Limestone	59.5
Alimito Company							
Springerville 1	–	370	8502	.61	New	Lime/Spray Drying	70.0
Arizona Electric Power Coop Inc							
Apache 2	530	172	7806	.70	New	Limestone	85.0
Apache 3	–	172	7906	.70	New	Limestone	85.0
Arizona Public Service							
Cholla 1	965	115	7310	.50	Retrofit	Limestone	55.0
Cholla 2	–	235	7804	.50	New	Limestone	75.0
Cholla 4	–	350	8103	.50	New	Limestone	95.0
Four Corners 1	2,085	170	7911	.75	Retrofit	Lime/Alkaline Flyash	50.0
Four Corners 2	–	170	7911	.75	Retrofit	Lime/Alkaline Flyash	50.0
Four Corners 3	–	220	7911	.75	Retrofit	Lime/Alkaline Flyash	50.0
Four Corners 4	–	739	8410	.75	Retrofit	Lime	80.0
Four Corners 5	–	739	8410	.75	Retrofit	Lime	80.0
Associated Elec Coop-Missouri							
Thomas Hill 3	1,150	628	8210	4.80	New	Limestone	91.5
Basin Electric Power Coop							
Antelope Valley 1	770	450	8305	.68	New	Lime/Spray Drying	68.0
Antelope Valley 2	–	450	8510	.68	New	Lime/Spray Drying	78.0
Laramie River 1	1,500	550	8007	.54	New	Limestone	90.0
Laramie River 2	–	550	8107	.54	New	Limestone	90.0
Laramie River 3	–	550	8211	.54	New	Lime/Spray Drying	82.5
Big Rivers Rural Electric Coop							
D. B. Wilson 1	880	420	8409	3.75	New	Limestone	–
R. D. Green 1	444	231	7912	3.91	New	Lime	90.0
R. D. Green 2	–	223	8011	3.91	New	Lime	90.0
Central Illinois Light							
Duck Creek 1	378	366	7607	3.40	New	Limestone	85.3
Central Illinois Public Service							
Newton 1	575	555	7909	3.00	New	Dual Alkali	90.0
Central Louisanna Electric							
Dolet Hills 1	640	640	8512	.70	New	Limestone	76.0
Cincinnati Gas and Electric Co							
East Bend 2	650	600	8103	2.60	New	Lime	87.0
City Utilities of Springfield							
Southwest 1	173	173	7704	3.50	New	Limestone	80.0
Colorado-Ute Electric Assn							
Craig 1	1,341	428	8010	.45	New	Limestone	85.0
Craig 2	–	428	7912	.45	New	Limestone	85.0
Craig 3	–	400	8406	.45	New	Lime/Spray Drying	85.0
Columbus and Southern Ohio Elec							
Conesville 5	1,885	375	7701	4.50	New	Lime	89.5
Conesville 6	–	375	7806	4.50	New	Lime	89.5
Cooperative Power Association							
Coal Creek 1	1,100	500	7907	.63	New	Lime/Alkaline Flyash	54.0
Coal Creek 2	–	500	8007	.63	New	Lime/Alkaline Flyash	54.0
Deepwater Operating Co							
Deepwater 1	129	129	8603	4.00	New	Limestone	–

See footnotes at end of table.

Source: Department of Energy, Office of Environmental Analysis, Form ESH-872, "Flue Gas Desulferization Information System"

Table 28. Flue Gas Desulfurization (FGD) Capacity in Operation as of December 1987 (Continued)

Utility Plant and Unit No.	Net Generating Capacity (megawatts)		Initial Start Up Date of FGD System	Average Sulfur Content Percent by Wt	FGD Status	FGD Process	Designed SO2 Removal (Percent Efficiency)
	by Plant	by Unit with FGD System					
Delmarva Power and Light							
Delaware City 1	180	27	8005	7.00	Retrofit	Wellman-Lord	90.0
Delaware City 2	–	27	8005	7.00	Retrofit	Wellman-Lord	90.0
Delaware City 3	–	40	8005	7.00	Retrofit	Wellman-Lord	90.0
Deseret Generating & Trans							
Bonanza 1	800	409	8512	.50	New	Limestone	95.0
Duquesne Light							
Elrama 1-4	487	487	7510	2.05	Retrofit	Lime	83.0
Philips 1-6	387	335	7307	2.05	Retrofit	Lime	83.0
East Kentucky Power Coop							
Spurlock 2	800	485	8212	3.50	New	Lime	79.4
Grand Haven Light & Power							
J.B. Sims 3	78	58	8305	2.75	New	Lime	90.0
Grand River Dam Authority							
GRDA 2	–	520	8503	.95	New	Lime/Spray Drying	85.0
Hoosier Energy Div-Indiana Rec							
Merom 1	920	460	8208	3.50	New	Limestone	90.0
Merom 2	–	460	8112	3.50	New	Limestone	90.0
Houston Lighting and Power							
Limestone 1	–	720	8510	1.08	New	Limestone	90.0
Limestone 2	–	720	8610	1.08	New	Limestone	90.0
W.A. Parish 8	3,670	535	8210	.41	New	Limestone	70.0
Indianapolis Power and Light							
Petersburg 3	1,180	510	7712	3.25	New	Limestone	85.0
Petersburg 4	–	510	8601	3.50	New	Limestone	80.0
Jacksonville Electric Authority							
St Johns River 1	1,100	640	8612	2.50	New	Limestone	90.0
Kansas City Power and Light							
Lacygne 1	1,450	670	7212	5.39	New	Limestone	80.0
Kansas Power and Light Co							
Jeffrey 1	2,720	680	7808	.32	New	Limestone	60.0
Jeffrey 2	–	680	8001	.32	New	Limestone	60.0
Jeffrey 3	–	680	8305	.32	New	Limestone	60.0
Lawrence 4	576	107	7701	.55	Retrofit	Limestone	73.0
Lawrence 5	–	330	7804	.55	Retrofit	Limestone	52.0
Kentucky Utilities							
Green River 1-3	264	59	7509	2.23	Retrofit	Lime	98.0
Lakeland Dept of Elec Wtr Utils							
Mcintosh 3	570	350	8207	2.56	New	Limestone	85.0
Los Angeles Dept of Water & Pwr							
Intermountain 1	1,600	800	8602	.79	New	Limestone	90.0
Intermountain 2	–	800	8703	.79	New	Limestone	90.0
Louisville Gas and Electric							
Cane Run 4	992	155	7608	3.87	Retrofit	Lime	85.0
Cane Run 5	–	167	7712	3.80	Retrofit	Lime	85.0
Cane Run 6	–	239	7904	4.80	Retrofit	Dual Alkali	95.0
Mill Creek 1	1,574	293	8012	3.75	Retrofit	Lime	85.0
Mill Creek 2	–	306	8112	3.75	Retrofit	Lime	85.0
Mill Creek 3	–	391	7808	3.87	New	Lime	85.0
Mill Creek 4	–	453	8207	3.75	New	Lime	85.0

See footnotes at end of table.
Source: Department of Energy, Office of Environmental Analysis, Form ESH-872, "Flue Gas Desulfurization Information System"

Table 28. Flue Gas Desulfurization (FGD) Capacity in Operation as of December 1987 (Continued)

Utility Plant and Unit No.	Net Generating Capacity (megawatts) by Plant	Net Generating Capacity (megawatts) by Unit with FGD System	Initial Start Up Date of FGD System	Average Sulfur Content Percent by Wt	FGD Status	FGD Process	Designed SO2 Removal (Percent Efficiency)
Marquette Board of Light & Pwr							
Shiras 3	40	40	8303	0.30	New	Lime/Spray Drying	80.0
Michigan So Central Pwr Agency							
Project 1	55	50	8305	2.25	New	Limestone	90.0
Minnesota Power and Light							
Clay Boswell 3	1,000	347	7301	.92	New	Particulate Scrubber	–
Clay Boswell 4	–	504	8002	.94	New	Lime/Alkaline Flyash	89.0
Syl Laskin 1	116	57	7106	1.00	Retrofit	Particulate Scrubber	–
Syl Laskin 2	–	57	7106	1.00	Retrofit	Particulate Scrubber	–
Minnkota Power Coop							
Milton R. Young 2	690	400	7709	.60	New	Lime/Alkaline Flyash	78.0
Monongahela Power (APS)							
Pleasants 1	1,252	626	7812	3.00	New	Lime	90.0
Pleasants 2	–	626	8010	3.00	New	Lime	90.0
Montana Power Co							
Colstrip 1	1,442	330	7509	.78	New	Lime/Alkaline Flyash	60.0
Colstrip 2	–	330	7605	.78	New	Lime/Alkaline Flyash	60.0
Colstrip 3	–	700	8310	.70	New	Lime/Alkaline Flyash	95.0
Colstrip 4	–	700	8512	.70	New	Lime/Alkaline Flyash	95.0
Montana-Dakota Utilities							
Coyote 1	400	400	8104	.87	New	Carbonate/Spray Drying	70.0
Muscatine Power and Water							
Muscatine 9	160	158	8304	3.21	New	Limestone	94.0
Nevada Power							
Reid Gardner 1	580	110	7403	.50	Retrofit	Sodium Carbonate	90.0
Reid Gardner 2	–	110	7404	.50	Retrofit	Sodium Carbonate	90.0
Reid Gardner 3	–	110	7606	.50	New	Sodium Carbonate	85.0
Reid Gardner 4	–	250	8306	.75	New	Sodium Carbonate	85.0
New York State Electric and Gas							
Somerset 1	850	643	8407	2.50	New	Limestone	90.0
Northern Indiana Public Service							
Schahfer 17	–	344	8304	3.20	New	Dual Alkali	90.0
Schahfer 18	–	344	8512	3.20	New	Dual Alkali	90.0
Northern States Power							
Riverside 6-7	350	140	8011	1.20	Retrofit	Lime/Spray Drying	90.0
Sherburne 1	1,420	710	7603	.80	New	Limestone/Alkali Flyash	50.0
Sherburne 2	–	710	7703	.80	New	Limestone/Alkali Flyash	50.0
Sherburne 3	–	800	8707	1.00	New	Lime/Spray Drying	70.0
Pacific Power and Light							
Jim Bridger 2	2,034	500	8606	.56	Retrofit	Sodium Carbonate	–
Jim Bridger 4	2,034	500	7909	.56	New	Sodium Carbonate	91.0
Wyodak 1	–	327	7204	.50	Retrofit	Lime/Spray Drying	60.0
Dave Johnston 4	–	327	8609	.55	Retrofit	Wet Injection	75.0
Pennsylvania Power							
Bruce Mansfield 1	2,360	780	7512	3.50	New	Lime	92.1
Bruce Mansfield 2	–	780	7707	3.50	New	Lime	92.1
Bruce Mansfield 3	–	800	8006	4.30	New	Lime	92.2
Philadelphia Electric							
Cromby 1	351	147	8210	2.00	Retrofit	Magnesium Oxide	92.0
Eddystone 1	1,395	274	8209	2.00	Retrofit	Magnesium Oxide	92.0
Eddystone 2	–	283	8211	2.00	Retrofit	Magnesium Oxide	92.0

See footnotes at end of table.
Source: Department of Energy, Office of Environmental Analysis, Form ESH-872, "Flue Gas Desulfurization Information System"

Table 28. Flue Gas Desulfurization (FGD) Capacity in Operation as of December 1987 (Continued)

Utility Plant and Unit No.	Net Generating Capacity (megawatts)		Initial Start Up Date of FGD System	Average Sulfur Content Percent by Wt	FGD Status	FGD Process	Designed SO2 Removal (Percent Efficiency)
	by Plant	by Unit with FGD System					
Plains Elec Gen and Trans Coop							
Plains Escalante 1	210	210	8411	0.80	New	Limestone	75.0
Platte River Authority							
Rawhide 1	250	250	8312	.34	New	Lime/Spray Drying	80.0
Public Service Co of Indiana							
Gibson 5	3,250	637	8210	3.30	New	Limestone	86.0
Public Service Co of New Mexico							
San Juan 1	1,614	316	7804	.80	Retrofit	Wellman-Lord	90.0
San Juan 2	–	312	7808	.80	Retrofit	Wellman-Lord	90.0
San Juan 3	–	488	7912	.80	New	Wellman-Lord	90.0
San Juan 4	–	498	8205	.80	New	Wellman-Lord	90.0
Salt River Project							
Coronado 1	700	350	7911	.55	New	Limestone	82.0
Coronado 2	–	350	8007	.55	New	Limestone	82.0
San Miguel Electric							
San Miguel 1	400	391	8108	2.39	New	Limestone	86.0
Seminole Electric Coop							
Seminole 1	1,240	620	8305	3.00	New	Limestone	86.0
Seminole 2	–	620	8409	3.00	New	Limestone	86.0
Sierra Pacific Power							
Valmy 2	532	274	8506	.50	New	Lime/Spray Drying	70.0
Sikeston Brd of Mun Utilities							
Sikeston 1	207	207	8106	2.80	New	Limestone	80.0
South Carolina Public Serv Auth							
Cross 2	499	499	8310	1.80	New	Limestone	85.8
Winyah 2	1,030	260	7707	1.00	New	Limestone	45.0
Winyah 3	–	260	8007	1.00	New	Limestone	90.0
Winyah 4	–	260	8107	1.70	New	Limestone	80.0
South Mississippi Elec Pwr Assn							
R. D. Morrow 1	400	200	7808	1.64	New	Limestone	85.0
R. D. Morrow 2	–	200	7906	1.64	New	Limestone	85.0
Southern Illinois Power Coop							
Marion 4	272	170	7904	3.75	New	Limestone	89.4
Southern Indiana Gas and Elec							
A. B. Brown 1	500	250	7903	3.35	New	Dual Alkali	85.0
A. B. Brown 2	–	250	8602	3.35	New	Dual Alkali	90.0
Southwestern Electric Pwr (CSW)							
Pirkey 1	670	640	8412	.80	New	Limestone	85.0
Springfield Wtr Lt and Pwr Dept							
Dallman 3	350	178	8010	3.05	New	Limestone	95.0
Sunflower Electric Coop Inc							
Holcomb 1	280	280	8307	.34	New	Lime/Spray Drying	80.0
Tampa Electric							
Big Bend 4	1,821	419	8412	3.50	New	Limestone	90.0
Tennessee Valley Authority							
Paradise 1	2,558	650	8305	3.20	Retrofit	Limestone	84.0
Paradise 2	–	650	8307	3.20	Retrofit	Limestone	84.0
Shawnee 9	–	–	8703	4.00	Retrofit	Lime/Spray Drying	97.0
Widows Creek 7	1,978	527	8103	3.70	Retrofit	Limestone	80.0
Widows Creek 8	–	516	7705	3.30	Retrofit	Limestone	80.0

See footnotes at end of table.
Source: Department of Energy, Office of Environmental Analysis, Form ESH-872, "Flue Gas Desulfurization Information System"

Table 28. Flue Gas Desulfurization (FGD) Capacity in Operation as of December 1987 (Continued)

Utility Plant and Unit No.	Net Generating Capacity (megawatts)		Initial Start Up Date of FGD System	Average Sulfur Content Percent by Wt	FGD Status	FGD Process	Designed SO2 Removal (Percent Efficiency)
	by Plant	by Unit with FGD System					
Texas Municipal Power							
Gibbons Creek 1	400	400	8211	1.06	New	Limestone	87.4
Texas Pwr and Lt (Texas Utils)							
Sandow 4	548	545	8012	1.60	New	Limestone	75.0
Texas Utilities Services Inc							
Martin Lake 1	3,000	750	7704	.90	New	Limestone	71.0
Martin Lake 2	–	750	7805	.90	New	Limestone	71.0
Martin Lake 3	–	750	7902	.90	New	Limestone	71.0
Monticello 3	1,900	750	7805	.50	New	Limestone	74.0
United Power Association							
Stanton 1A	175	56	8207	.77	New	Lime/Spray Drying	72.7
Utah Power and Light							
Hunter 1	1,600	400	7903	.52	New	Lime	80.0
Hunter 2	–	400	8006	.52	New	Lime	80.0
Hunter 3	–	400	8304	.55	New	Limestone	90.0
Huntington 1	810	400	7805	.43	New	Lime	80.0
Naughton 3	710	330	8109	.55	Retrofit	Sodium Carbonate	70.0
West Penn Power (APS)							
Mitchell 33	–	284	8208	2.80	Retrofit	Lime	95.0
West Texas Utilities							
Oklaunion 1	1,440	640	8611	.34	New	Limestone	70.0

Note: Data for 1988 are not available.
Source: Department of Energy, Office of Environmental Analysis, Form ESH-872, "Flue Gas Desulfurization Information System"

Table 29. Receipts of Coal by Type of Coal, Census Division and State, 1988
(Thousand Short Tons)

Census Division and State	Receipts by Type of Coal				
	Anthracite	Bituminous	Subbituminous	Lignite	Total
New England	-	**6,377.0**	-	-	**6,377.0**
Connecticut	-	830.0	-	-	830.0
Maine	-	-	-	-	-
Massachusetts	-	4,285.4	-	-	4,285.4
New Hampshire	-	1,261.6	-	-	1,261.6
Rhode Island	-	-	-	-	-
Vermont	-	-	-	-	-
Middle Atlantic	**725.0**	**50,806.7**	-	-	**51,531.7**
New Jersey	-	2,476.8	-	-	2,476.8
New York	-	8,562.3	-	-	8,562.3
Pennsylvania	725.0	39,767.6	-	-	40,492.6
East North Central	-	**120,366.5**	**34,933.6**	-	**155,300.1**
Illinois	-	18,337.3	8,583.2	-	26,920.5
Indiana	-	31,832.6	4,581.8	-	36,414.4
Michigan	-	18,312.2	10,031.7	-	28,343.9
Ohio	-	46,008.5	-	-	46,008.5
Wisconsin	-	5,876.0	11,736.9	-	17,612.8
West North Central	-	**24,502.8**	**51,271.2**	**23,765.9**	**99,539.9**
Iowa	-	3,830.9	10,142.8	-	13,973.7
Kansas	-	3,126.7	11,671.4	-	14,798.1
Minnesota	-	194.5	15,219.1	37.0	15,450.6
Missouri	-	17,225.6	6,733.2	-	23,958.8
Nebraska	-	125.1	7,360.2	-	7,485.3
North Dakota	-	-	-	21,713.9	21,713.9
South Dakota	-	-	144.5	2,015.0	2,159.5
South Atlantic	-	**120,975.9**	-	-	**120,975.9**
Delaware	-	2,524.6	-	-	2,524.6
District of Columbia	-	-	-	-	-
Florida	-	23,770.2	-	-	23,770.2
Georgia	-	25,135.2	-	-	25,135.2
Maryland	-	8,853.9	-	-	8,853.9
North Carolina	-	16,795.3	-	-	16,795.3
South Carolina	-	9,001.9	-	-	9,001.9
Virginia	-	7,458.6	-	-	7,458.6
West Virginia	-	27,436.3	-	-	27,436.3
East South Central	-	**73,868.0**	-	-	**73,868.0**
Alabama	-	19,894.6	-	-	19,894.6
Kentucky	-	29,344.4	-	-	29,344.4
Mississippi	-	4,870.3	-	-	4,870.3
Tennessee	-	19,758.7	-	-	19,758.7
West South Central	-	**1,438.6**	**66,187.4**	**49,517.5**	**117,143.6**
Arkansas	-	-	11,685.3	221.8	11,907.1
Louisiana	-	218.3	8,890.7	2,968.8	12,077.8
Oklahoma	-	721.4	12,633.8	-	13,355.2
Texas	-	498.9	32,977.7	46,326.9	79,803.4
Mountain	-	**34,657.3**	**62,358.6**	**167.8**	**97,183.7**
Arizona	-	9,944.3	4,177.0	-	14,121.3
Colorado	-	5,133.8	9,815.2	-	14,949.0
Idaho	-	-	-	-	-
Montana	-	-	10,306.0	167.8	10,473.8
Nevada	-	7,279.3	607.0	-	7,886.3
New Mexico	-	-	14,521.7	-	14,521.7
Utah	-	12,255.9	-	-	12,255.9
Wyoming	-	44.0	22,931.7	-	22,975.7
Pacific	-	**70.0**	**5,785.6**	-	**5,855.6**
California	-	-	-	-	-
Oregon	-	-	234.6	-	234.6
Washington	-	70.0	5,551.0	-	5,621.0
Pacific Noncontiguous	-	-	-	-	-
Alaska	-	-	-	-	-
Hawaii	-	-	-	-	-
Total	**725.0**	**433,062.8**	**220,536.3**	**73,451.3**	**727,775.5**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 30. Receipts of Coal by Census Division and State, 1984-1988
(Thousand Short Tons)

Census Division and State	1988	1987	1986	1985	1984
New England	**6,377.0**	**5,774.4**	**5,717.6**	**6,052.1**	**5,301.2**
Connecticut	830.0	770.0	817.0	774.0	110.0
Maine	–	–	–	–	–
Massachusetts	4,285.4	3,888.9	3,948.3	3,845.4	3,983.8
New Hampshire	1,261.6	1,115.5	952.3	1,432.7	1,207.4
Rhode Island	–	–	–	–	–
Vermont	–	–	–	–	–
Middle Atlantic	**51,531.7**	**53,854.8**	**49,713.6**	**50,030.2**	**54,202.3**
New Jersey	2,476.8	2,691.0	2,579.0	3,207.4	3,065.6
New York	8,562.3	8,130.6	6,296.5	7,480.4	7,805.1
Pennsylvania	40,492.6	43,033.2	40,838.2	39,342.4	43,331.6
East North Central	**155,300.1**	**162,093.2**	**161,292.9**	**151,825.7**	**162,400.6**
Illinois	26,920.5	28,509.3	32,966.4	31,091.1	32,358.6
Indiana	36,414.4	38,681.6	36,890.1	36,841.7	41,479.8
Michigan	28,343.9	29,889.3	27,148.4	24,057.0	25,102.2
Ohio	46,008.5	48,384.5	47,473.1	44,511.2	47,959.2
Wisconsin	17,612.8	16,628.6	16,815.0	15,324.7	15,500.7
West North Central	**99,539.9**	**89,341.8**	**81,066.5**	**86,552.2**	**91,662.2**
Iowa	13,973.7	13,785.7	11,384.4	12,215.3	12,860.8
Kansas	14,798.1	15,033.2	13,902.6	14,261.3	15,223.8
Minnesota	15,450.6	12,793.4	9,323.6	11,004.5	11,366.1
Missouri	23,958.8	22,533.1	21,241.1	22,161.9	27,387.5
Nebraska	7,485.3	6,327.0	5,780.5	6,387.4	6,276.6
North Dakota	21,713.9	18,128.3	17,568.3	18,352.3	16,239.3
South Dakota	2,159.5	741.0	1,866.0	2,169.5	2,308.0
South Atlantic	**120,975.9**	**129,920.5**	**120,825.9**	**115,193.8**	**124,206.4**
Delaware	2,524.6	2,422.4	2,296.2	2,248.0	2,782.9
District of Columbia	–	–	–	–	–
Florida	23,770.2	22,553.0	18,311.4	17,492.4	15,587.8
Georgia	25,135.2	26,351.3	27,329.0	26,256.0	28,550.3
Maryland	8,853.9	8,186.7	7,806.6	6,609.6	8,458.0
North Carolina	16,795.3	17,829.3	19,145.0	19,657.7	19,969.5
South Carolina	9,001.9	9,353.5	7,609.2	8,274.2	7,313.1
Virginia	7,458.6	8,907.0	7,333.7	6,813.8	8,038.3
West Virginia	27,436.3	34,317.2	30,994.7	27,841.5	33,508.5
East South Central	**73,868.0**	**78,047.1**	**77,064.3**	**67,842.9**	**68,862.2**
Alabama	19,894.6	20,739.3	22,181.2	20,504.6	17,121.1
Kentucky	29,344.4	31,771.0	28,147.6	24,677.4	26,981.3
Mississippi	4,670.3	4,429.8	4,200.6	4,009.1	4,207.1
Tennessee	19,758.7	21,107.0	22,534.8	18,651.8	20,552.6
West South Central	**117,143.6**	**111,028.9**	**105,426.1**	**104,082.6**	**98,620.7**
Arkansas	11,907.1	11,709.3	11,855.7	11,883.8	10,751.3
Louisiana	12,077.8	10,627.3	10,093.1	8,308.9	8,023.0
Oklahoma	13,355.2	12,124.0	12,007.0	12,895.0	12,605.0
Texas	79,803.4	76,568.2	71,470.3	70,994.9	67,241.4
Mountain	**97,183.7**	**86,381.7**	**81,198.1**	**80,711.1**	**74,780.1**
Arizona	14,121.3	12,714.2	12,885.7	14,292.5	13,397.4
Colorado	14,949.0	13,366.9	13,421.3	14,171.5	13,684.4
Idaho	–	–	–	–	–
Montana	10,473.8	7,595.8	7,498.1	5,460.0	5,023.0
Nevada	7,886.3	6,893.2	7,614.5	5,604.2	6,606.4
New Mexico	14,521.7	14,176.1	13,763.7	14,133.3	14,368.9
Utah	12,255.9	11,801.3	7,378.3	6,696.0	4,695.0
Wyoming	22,975.7	19,834.4	18,636.5	20,353.6	17,005.0
Pacific	**5,855.6**	**4,855.7**	**4,659.0**	**4,452.7**	**4,073.0**
California	–	–	–	–	121.1
Oregon	234.6	376.7	–	52.7	351.9
Washington	5,621.0	4,479.0	4,659.0	4,400.0	3,600.0
Noncontiguous	–	–	–	–	–
Alaska	–	–	–	–	–
Hawaii	–	–	–	–	–
Total	**727,775.5**	**721,298.0**	**686,964.1**	**666,743.3**	**684,110.7**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 31. Receipts of Petroleum by Type of Petroleum, Census Division and State, 1988
(Thousand Barrels)

Census Division and State	Receipts by Type of Petroleum					
	No. 2 Fuel Oil	No. 4 Fuel Oil[1]	No. 5 Fuel Oil[1]	No. 6 Fuel Oil	Crude Oil[2]	Total
New England	**135.2**	-	-	**59,971.8**	-	**60,107.1**
Connecticut	36.6	-	-	18,473.9	-	18,510.5
Maine	11.8	-	-	5,107.8	-	5,119.7
Massachusetts	72.2	-	-	29,859.3	-	29,931.5
New Hampshire	14.6	-	-	5,115.1	-	5,129.7
Rhode Island	-	-	-	1,415.7	-	1,415.7
Vermont	-	-	-	-	-	-
Middle Atlantic	**913.8**	**32.0**	-	**86,274.5**	-	**87,220.3**
New Jersey	22.7	-	-	13,641.4	-	13,664.2
New York	78.5	32.0	-	62,963.1	-	63,073.6
Pennsylvania	812.5	-	-	9,670.0	-	10,482.5
East North Central	**1,701.8**	-	-	**3,752.8**	-	**5,454.6**
Illinois	401.0	-	-	1,401.8	-	1,802.8
Indiana	324.2	-	-	-	-	324.2
Michigan	425.3	-	-	1,964.0	-	2,389.4
Ohio	435.7	-	-	387.0	-	822.7
Wisconsin	115.6	-	-	-	-	115.6
West North Central	**349.6**	-	-	**374.7**	-	**724.3**
Iowa	77.3	-	-	-	-	77.3
Kansas	87.8	-	-	45.0	-	132.8
Minnesota	15.8	-	-	-	-	15.8
Missouri	117.5	-	-	232.4	-	349.9
Nebraska	7.6	-	-	93.8	-	101.4
North Dakota	34.5	-	-	3.5	-	38.0
South Dakota	9.0	-	-	-	-	9.0
South Atlantic	**1,918.9**	**941.0**	-	**51,033.7**	-	**53,893.6**
Delaware	170.5	-	-	3,846.0	-	4,016.4
District of Columbia	18.4	941.0	-	-	-	959.4
Florida	497.2	-	-	38,575.9	-	39,073.2
Georgia	201.0	-	-	172.6	-	373.6
Maryland	187.0	-	-	5,448.2	-	5,635.3
North Carolina	229.0	-	-	-	-	229.0
South Carolina	112.0	-	-	-	-	112.0
Virginia	192.2	-	-	2,991.0	-	3,183.2
West Virginia	311.5	-	-	-	-	311.5
East South Central	**543.9**	**.4**	-	**1,024.5**	-	**1,569.0**
Alabama	140.3	-	-	-	-	140.3
Kentucky	223.3	-	-	-	-	223.5
Mississippi	62.5	.4	-	1,024.5	-	1,087.4
Tennessee	117.8	-	-	-	-	117.8
West South Central	**618.7**	**.1**	**150.3**	**702.5**	-	**1,471.6**
Arkansas	104.9	-	-	135.5	-	240.4
Louisiana	182.2	-	-	327.5	-	509.7
Oklahoma	37.0	-	-	135.5	-	172.5
Texas	294.5	.1	150.3	104.0	-	548.9
Mountain	**483.7**	-	**36.2**	**980.0**	-	**1,499.9**
Arizona	182.8	-	-	20.9	-	203.7
Colorado	13.1	-	-	.3	-	13.4
Idaho	-	-	-	-	-	-
Montana	37.0	-	-	-	-	37.0
Nevada	33.3	-	-	952.9	-	986.2
New Mexico	55.2	-	36.2	5.9	-	97.3
Utah	34.0	-	-	-	-	34.0
Wyoming	128.3	-	-	-	-	128.3
Pacific	**17.0**	-	-	**14,966.5**	-	**14,983.5**
California	-	-	-	14,966.5	-	14,966.5
Oregon	-	-	-	-	-	-
Washington	17.0	-	-	-	-	17.0
Pacific Noncontiguous	**6.8**	-	-	**9,992.8**	-	**9,999.6**
Alaska	-	-	-	-	-	-
Hawaii	6.8	-	-	9,992.8	-	9,999.6
Total	**5,689.4**	**973.5**	**186.5**	**229,073.9**	-	**236,923.5**

[1] Blend of No. 2 Fuel Oil and No. 6 Fuel Oil.

[2] Includes small quantities of Topped Crude.

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 32. Receipts of Petroleum by Census Division and State, 1984-1988
(Thousand Barrels)

Census Division and State	1988	1987	1986	1985	1984
New England	**60,107.1**	**50,712.4**	**61,565.0**	**45,657.6**	**55,142.2**
Connecticut	18,510.5	15,100.1	18,061.7	16,618.1	20,469.5
Maine	5,119.7	4,061.2	4,595.5	3,000.2	3,566.1
Massachusetts	29,931.5	27,334.5	32,802.4	23,223.1	27,163.0
New Hampshire	5,129.7	3,384.6	4,663.1	2,261.7	3,334.1
Rhode Island	1,415.7	832.0	1,442.3	554.4	589.5
Vermont	-	-	-	-	-
Middle Atlantic	**87,220.3**	**72,696.3**	**80,386.4**	**64,678.3**	**80,617.3**
New Jersey	13,664.2	8,573.7	12,299.7	10,593.8	16,598.2
New York	63,073.6	52,076.9	53,181.3	40,773.6	48,690.0
Pennsylvania	10,482.5	12,045.7	14,905.4	13,310.9	15,329.1
East North Central	**5,454.6**	**6,104.6**	**5,495.0**	**5,633.1**	**7,042.2**
Illinois	1,802.8	3,950.9	2,627.6	3,435.9	4,717.4
Indiana	324.2	276.5	334.9	427.0	345.0
Michigan	2,389.4	1,360.9	1,951.4	984.5	1,296.8
Ohio	822.7	431.9	418.4	573.1	538.4
Wisconsin	115.6	84.5	162.7	212.6	144.7
West North Central	**724.3**	**601.6**	**581.7**	**665.5**	**894.3**
Iowa	77.3	69.1	59.5	109.3	85.5
Kansas	132.8	73.5	109.3	99.5	204.0
Minnesota	15.8	30.3	18.1	18.5	19.8
Missouri	349.9	348.6	305.1	339.0	416.2
Nebraska	101.4	25.3	21.1	2.5	12.0
North Dakota	38.0	46.8	46.4	80.1	143.8
South Dakota	9.0	8.0	22.1	16.6	13.0
South Atlantic	**53,893.6**	**48,332.7**	**58,179.8**	**32,716.5**	**43,506.9**
Delaware	4,016.4	2,759.9	3,603.1	2,676.8	3,219.6
District of Columbia	959.4	542.5	431.2	256.8	620.5
Florida	39,073.2	33,526.5	44,414.6	21,574.3	29,925.3
Georgia	373.6	400.1	539.0	523.6	121.3
Maryland	5,635.3	4,741.9	4,800.7	5,152.0	6,056.4
North Carolina	229.0	265.4	189.3	206.4	221.8
South Carolina	112.0	115.9	101.3	118.7	111.3
Virginia	3,183.2	5,535.8	3,689.3	1,835.8	2,812.9
West Virginia	311.5	444.7	411.3	372.0	417.8
East South Central	**1,569.0**	**747.3**	**2,516.7**	**822.7**	**628.8**
Alabama	140.3	190.6	218.9	245.1	183.1
Kentucky	223.5	239.0	240.8	273.5	353.5
Mississippi	1,087.4	185.8	1,920.2	182.3	150.0
Tennessee	117.8	131.9	136.8	121.8	142.2
West South Central	**1,471.6**	**747.7**	**1,878.6**	**1,426.0**	**2,514.6**
Arkansas	240.4	144.4	132.2	122.4	201.2
Louisiana	509.7	90.6	418.9	171.5	219.0
Oklahoma	172.5	34.6	80.1	55.6	38.8
Texas	548.9	478.0	1,247.4	1,076.5	2,055.6
Mountain	**1,499.9**	**1,051.3**	**960.6**	**633.9**	**531.8**
Arizona	203.7	296.0	269.5	182.0	180.9
Colorado	13.4	30.6	39.0	33.5	56.9
Idaho	-	-	-	-	-
Montana	37.0	24.0	43.0	86.0	40.3
Nevada	986.2	466.5	319.1	43.8	22.1
New Mexico	97.3	69.8	86.4	82.3	59.8
Utah	34.0	47.0	72.5	55.0	54.0
Wyoming	128.3	117.3	131.1	151.4	117.9
Pacific	**14,983.5**	**3,209.5**	**7,542.3**	**3,523.8**	**2,092.7**
California	14,966.5	3,193.5	7,520.1	3,494.4	2,061.8
Oregon	-	-	.2	15.4	9.9
Washington	17.0	16.0	22.0	14.0	21.0
Noncontiguous	**9,999.6**	**10,374.1**	**9,415.5**	**9,189.1**	**9,201.2**
Alaska	-	-	-	-	-
Hawaii	9,999.6	10,374.1	9,415.5	9,189.1	9,201.2
Total	**236,923.5**	**194,577.5**	**228,521.5**	**164,946.5**	**202,372.0**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 33. Receipts of Gas by Type of Gas, Census Division and State, 1988
(Thousand Mcf)

Census Division and State	Receipts by Type of Gas			
	Natural Gas	LNG and SNG[1]	Other[2]	Total
New England	**14,978.0**	–	–	**14,978.0**
Connecticut	1,260.0	–	–	1,260.0
Maine	–	–	–	–
Massachusetts	13,551.8	–	–	13,551.8
New Hampshire	–	–	–	–
Rhode Island	166.2	–	–	166.2
Vermont	–	–	–	–
Middle Atlantic	**176,698.0**	–	–	**176,698.0**
New Jersey	34,050.6	–	–	34,050.6
New York	142,255.4	–	–	142,255.4
Pennsylvania	392.0	–	–	392.0
East North Central	**10,168.4**	–	**12,048.0**	**22,216.4**
Illinois	4,521.0	–	–	4,521.0
Indiana	3,074.1	–	–	3,074.1
Michigan	1,092.8	–	12,048.0	13,140.8
Ohio	477.9	–	–	477.9
Wisconsin	1,002.6	–	–	1,002.6
West North Central	**22,480.0**	–	–	**22,480.0**
Iowa	3,843.6	–	–	3,843.6
Kansas	12,923.4	–	–	12,923.4
Minnesota	3,370.1	–	–	3,370.1
Missouri	702.4	–	–	702.4
Nebraska	1,639.5	–	–	1,639.5
North Dakota	1.1	–	–	1.1
South Dakota	–	–	–	–
South Atlantic	**137,780.6**	–	**1,078.5**	**138,859.1**
Delaware	531.8	–	772.5	1,304.3
District of Columbia	–	–	–	–
Florida	129,897.0	–	–	129,897.0
Georgia	1,333.7	–	–	1,333.7
Maryland	3,874.2	–	–	3,874.2
North Carolina	–	–	–	–
South Carolina	1,664.3	–	–	1,664.3
Virginia	394.0	–	306.0	700.0
West Virginia	85.7	–	–	85.7
East South Central	**29,958.4**	–	–	**29,958.4**
Alabama	1,079.8	–	–	1,079.8
Kentucky	400.1	–	–	400.1
Mississippi	28,478.5	–	–	28,478.5
Tennessee	–	–	–	–
West South Central	**1,402,134.1**	–	–	**1,402,134.1**
Arkansas	21,976.4	–	–	21,976.4
Louisiana	237,905.6	–	–	237,905.6
Oklahoma	151,746.5	–	–	151,746.5
Texas	990,505.6	–	–	990,505.6
Mountain	**46,002.4**	–	–	**46,002.4**
Arizona	11,178.5	–	–	11,178.5
Colorado	5,205.1	–	–	5,205.1
Idaho	–	–	–	–
Montana	281.1	–	–	281.1
Nevada	9,150.5	–	–	9,150.5
New Mexico	20,002.1	–	–	20,002.1
Utah	–	–	–	–
Wyoming	185.0	–	–	185.0
Pacific	**509,394.2**	–	–	**509,394.2**
California	509,394.2	–	–	509,394.2
Oregon	–	–	–	–
Washington	–	–	–	–
Pacific Noncontiguous	–	–	–	–
Alaska	–	–	–	–
Hawaii	–	–	–	–
Total	**2,349,594.1**	–	**13,126.5**	**2,362,720.6**

[1] Liquified Natural Gas and Synthetic Natural Gas.

[2] Includes small quantities of Coke-Oven Gas, Refinery Gas, and Blast-Furnace gas.

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 34. Receipts of Gas by Census Division and State, 1984-1988
(Thousand Mcf)

Census Division and State	1988	1987	1986	1985	1984
New England	**14,978.0**	**44,762.0**	**10,918.1**	**43,817.2**	**32,690.6**
Connecticut	1,260.0	7,369.8	740.0	1,562.3	2,228.2
Maine	-	-	-	-	-
Massachusetts	13,551.8	31,681.7	10,178.1	39,656.0	26,711.7
New Hampshire	-	-	-	-	65.5
Rhode Island	166.2	5,710.5	-	2,598.9	3,685.2
Vermont	-	-	-	-	-
Middle Atlantic	**176,698.0**	**218,017.8**	**156,460.3**	**216,673.1**	**240,530.7**
New Jersey	34,050.6	52,671.7	24,270.9	45,908.3	72,655.7
New York	142,255.4	165,094.9	131,958.8	170,715.4	167,821.3
Pennsylvania	392.0	251.2	230.6	49.4	53.7
East North Central	**22,216.4**	**15,302.0**	**17,700.9**	**13,832.7**	**12,194.6**
Illinois	4,521.0	2,419.4	5,487.1	4,958.8	4,623.1
Indiana	3,074.1	1,089.0	890.7	900.6	910.0
Michigan	13,140.8	10,399.8	10,019.5	6,804.8	5,158.0
Ohio	477.9	529.8	276.4	311.5	337.8
Wisconsin	1,002.6	864.1	1,027.2	857.0	1,165.7
West North Central	**22,480.0**	**19,343.0**	**15,999.0**	**21,009.3**	**32,288.5**
Iowa	3,843.6	2,638.5	1,241.1	1,666.4	1,875.6
Kansas	12,923.4	10,834.8	11,349.0	16,538.7	26,491.2
Minnesota	3,370.1	3,570.1	1,308.7	867.9	1,222.6
Missouri	702.4	857.6	748.9	949.0	1,546.7
Nebraska	1,639.5	1,438.3	1,351.3	987.3	1,152.3
North Dakota	1.1	3.6	-	-	-
South Dakota	-	-	-	-	-
South Atlantic	**138,859.1**	**170,014.9**	**150,688.6**	**151,743.2**	**165,132.5**
Delaware	1,304.3	7,856.4	1,667.4	7,325.3	7,167.4
District of Columbia	-	-	-	-	-
Florida	129,897.0	149,938.5	140,541.2	141,861.5	154,125.1
Georgia	1,333.7	805.0	5,786.6	791.8	582.2
Maryland	3,874.2	8,687.0	799.0	-	-
North Carolina	-	-	-	-	-
South Carolina	1,664.3	236.4	993.9	290.2	170.8
Virginia	700.0	2,404.0	743.0	1,333.0	2,971.0
West Virginia	85.7	87.5	157.5	141.4	115.9
East South Central	**29,958.4**	**37,608.7**	**45,660.2**	**52,012.8**	**60,779.1**
Alabama	1,079.8	858.1	686.5	976.3	276.2
Kentucky	400.1	319.4	414.4	1,081.0	1,751.4
Mississippi	28,478.5	36,431.3	44,559.3	49,955.5	58,751.4
Tennessee	-	-	-	-	-
West South Central	**1,402,134.1**	**1,455,725.2**	**1,540,621.4**	**1,632,960.5**	**1,742,335.4**
Arkansas	21,976.4	32,066.5	28,444.8	12,101.3	25,265.6
Louisiana	237,905.6	238,149.6	261,719.8	275,501.8	295,342.9
Oklahoma	151,746.5	155,819.8	175,574.4	177,199.4	196,709.1
Texas	990,505.6	1,029,689.3	1,074,882.4	1,168,158.0	1,225,017.9
Mountain	**46,002.4**	**40,891.4**	**40,075.2**	**53,440.3**	**46,740.8**
Arizona	11,178.5	13,930.7	15,654.1	21,249.9	12,351.3
Colorado	5,205.1	5,022.3	2,094.5	1,706.2	1,872.1
Idaho	-	-	-	-	-
Montana	281.1	476.7	406.6	446.5	335.1
Nevada	9,150.5	6,165.9	5,967.3	7,687.5	8,759.3
New Mexico	20,002.1	15,200.8	15,805.6	22,096.3	23,151.0
Utah	-	5.0	10.0	97.0	186.0
Wyoming	185.0	90.0	137.0	157.0	86.0
Pacific	**509,394.2**	**603,526.2**	**409,498.5**	**623,432.0**	**546,116.0**
California	509,394.2	603,526.2	409,498.5	623,432.0	546,116.0
Oregon	-	-	-	-	-
Washington	-	-	-	-	-
Noncontiguous	-	-	-	-	-
Alaska	-	-	-	-	-
Hawaii	-	-	-	-	-
Total	**2,362,720.6**	**2,605,191.3**	**2,387,622.3**	**2,808,921.3**	**2,878,808.1**

Notes: • Data for 1984 through 1987 have been revised to reflect the elimination of data for gas turbine units. • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 35. Monthly Statistics of Coal by Census Division, 1988

Census Division	January	February	March	April	May	June
New England						
Receipts Purchased, 1,000 Short Tons	597.5	425.6	682.2	501.6	539.1	463.6
Total Heating Val, Billion Btu	15,735.8	11,143.7	17,913.0	13,255.6	14,109.3	12,181.2
Sulfur Content, % by Weight	1.5	1.2	1.3	1.4	1.2	1.1
Avg. Cost, Cents per Million Btu	191.3	182.4	174.9	174.2	172.4	172.0
Total Est. Coal Bill, $1,000	30,098.0	20,328.7	31,329.3	23,097.4	24,318.6	20,955.0
Middle Atlantic						
Receipts Purchased, 1,000 Short Tons	4,937.3	3,774.0	4,000.3	3,797.8	4,181.0	4,206.6
Total Heating Val, Billion Btu	122,004.6	93,718.3	99,062.2	93,943.2	103,616.0	104,367.2
Sulfur Content, % by Weight	2.1	2.0	2.0	2.0	2.0	1.9
Avg. Cost, Cents per Million Btu	149.6	153.5	146.8	151.0	148.6	149.3
Total Est. Coal Bill, $1,000	182,536.5	143,896.6	145,377.5	141,850.2	153,985.7	155,819.7
East North Central						
Receipts Purchased, 1,000 Short Tons	11,386.8	10,920.2	12,069.8	11,722.5	12,895.4	13,069.8
Total Heating Val, Billion Btu	257,546.3	245,876.0	270,171.4	260,555.4	286,055.3	291,201.6
Sulfur Content, % by Weight	2.0	2.0	1.9	1.8	1.7	1.8
Avg. Cost, Cents per Million Btu	161.9	162.7	165.8	164.3	163.3	160.1
Total Est. Coal Bill, $1,000	416,991.2	400,123.4	447,983.5	428,114.1	467,136.7	466,358.8
West North Central						
Receipts Purchased, 1,000 Short Tons	7,686.2	7,837.0	8,263.5	7,569.3	7,357.2	7,691.2
Total Heating Val, Billion Btu	131,181.0	134,035.7	143,260.2	133,168.4	129,889.1	134,862.6
Sulfur Content, % by Weight	1.0	1.0	1.0	1.0	1.1	1.0
Avg. Cost, Cents per Million Btu	117.5	118.0	119.2	119.4	123.0	118.2
Total Est. Coal Bill, $1,000	154,111.3	158,171.4	170,807.1	159,042.9	159,717.7	159,368.4
South Atlantic						
Receipts Purchased, 1,000 Short Tons	10,284.8	10,574.0	10,524.2	9,855.6	9,727.7	9,132.8
Total Heating Val, Billion Btu	255,860.8	263,441.1	262,061.7	245,434.8	242,648.9	229,551.3
Sulfur Content, % by Weight	1.5	1.5	1.6	1.5	1.5	1.5
Avg. Cost, Cents per Million Btu	164.4	167.4	167.9	169.8	168.8	167.3
Total Est. Coal Bill, $1,000	420,667.3	441,064.2	439,907.5	416,689.3	409,484.6	384,145.7
East South Central						
Receipts Purchased, 1,000 Short Tons	6,370.8	6,461.1	6,067.2	5,315.4	5,941.3	5,958.3
Total Heating Val, Billion Btu	151,232.3	153,451.2	144,658.1	127,132.4	142,183.7	142,636.5
Sulfur Content, % by Weight	2.1	2.0	1.9	2.0	2.0	2.1
Avg. Cost, Cents per Million Btu	149.4	150.8	149.8	150.7	148.0	148.2
Total Est. Coal Bill, $1,000	225,925.4	231,380.6	216,626.2	191,535.0	210,442.2	211,357.3
West South Central						
Receipts Purchased, 1,000 Short Tons	8,952.9	9,001.4	9,036.7	9,151.5	9,776.2	10,216.2
Total Heating Val, Billion Btu	133,745.4	138,165.3	138,998.6	143,540.4	150,955.9	157,147.8
Sulfur Content, % by Weight	.6	.6	.6	.6	.6	.6
Avg. Cost, Cents per Million Btu	141.9	147.4	154.0	156.6	148.1	145.0
Total Est. Coal Bill, $1,000	189,730.5	203,637.4	214,091.7	224,733.1	223,582.3	227,940.5
Mountain						
Receipts Purchased, 1,000 Short Tons	7,924.7	7,340.0	7,921.1	7,605.9	6,993.7	8,116.7
Total Heating Val, Billion Btu	154,843.6	143,701.9	154,013.9	148,239.9	137,786.7	158,879.9
Sulfur Content, % by Weight	.5	.5	.5	.5	.5	.6
Avg. Cost, Cents per Million Btu	109.8	112.1	110.3	109.2	113.4	110.0
Total Est. Coal Bill, $1,000	170,015.5	161,137.5	169,919.9	161,936.1	156,227.6	174,744.5
Pacific						
Receipts Purchased, 1,000 Short Tons	485.4	537.3	455.8	616.0	508.0	482.0
Total Heating Val, Billion Btu	7,937.2	8,844.8	7,460.2	10,031.1	8,294.4	7,853.9
Sulfur Content, % by Weight	.7	.7	.5	.6	.5	.7
Avg. Cost, Cents per Million Btu	158.6	157.1	150.9	138.2	148.8	152.4
Total Est. Coal Bill, $1,000	12,586.5	13,892.3	11,253.7	13,866.5	12,344.8	11,969.6
Pacific Noncontiguous						
Receipts Purchased, 1,000 Short Tons	–	–	–	–	–	–
Total Heating Val, Billion Btu	–	–	–	–	–	–
Sulfur Content, % by Weight	–	–	–	–	–	–
Avg. Cost, Cents per Million Btu	–	–	–	–	–	–
Total Est. Coal Bill, $1,000	–	–	–	–	–	–
Total						
Receipts Purchased, 1,000 Short Tons	58,626.5	56,870.5	59,020.7	56,135.7	57,919.6	59,337.3
Total Heating Val, Billion Btu	1,230,087.2	1,192,378.0	1,237,599.2	1,175,301.2	1,215,539.4	1,238,682.1
Sulfur Content, % by Weight	1.4	1.3	1.3	1.3	1.3	1.3
Avg. Cost, Cents per Million Btu	146.5	148.7	149.3	149.8	149.5	146.3
Total Est. Coal Bill, $1,000	1,802,662.2	1,773,632.1	1,847,296.4	1,760,864.5	1,817,240.3	1,812,659.5

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 35. Monthly Statistics of Coal by Census Division, 1988 (Continued)

Census Division	July	August	September	October	November	December	12-Month Total
New England							
Receipts Purchased, 1,000 Short Tons	415.4	561.7	561.7	497.7	580.0	550.9	6,377.0
Total Heating Val, Billion Btu	10,898.7	14,851.9	14,757.4	13,115.9	15,289.5	14,555.8	167,807.7
Sulfur Content, % by Weight	1.2	1.3	1.3	1.5	1.4	1.4	1.3
Avg. Cost, Cents per Million Btu	172.3	170.2	165.9	166.8	167.5	168.7	173.2
Total Est. Coal Bill, $1,000	18,780.4	25,283.0	24,487.7	21,872.5	25,606.0	24,556.0	290,713.4
Middle Atlantic							
Receipts Purchased, 1,000 Short Tons	3,680.2	4,504.5	4,420.6	4,530.8	4,607.5	4,891.2	51,531.7
Total Heating Val, Billion Btu	91,092.8	111,747.8	109,630.0	112,885.9	114,398.2	121,845.8	1,278,302.0
Sulfur Content, % by Weight	2.0	2.1	2.0	2.0	2.0	2.0	2.0
Avg. Cost, Cents per Million Btu	149.2	147.8	147.5	144.9	148.3	150.5	148.8
Total Est. Coal Bill, $1,000	135,869.2	165,179.0	161,734.6	163,526.1	169,623.2	183,333.8	1,902,732.0
East North Central							
Receipts Purchased, 1,000 Short Tons	12,927.1	15,437.2	13,840.1	14,246.2	13,624.2	13,160.7	155,300.1
Total Heating Val, Billion Btu	287,399.7	341,632.6	305,642.0	316,173.9	300,218.4	293,465.3	3,455,937.9
Sulfur Content, % by Weight	1.7	1.7	1.8	1.8	1.8	1.9	1.8
Avg. Cost, Cents per Million Btu	162.3	158.9	159.1	157.5	156.5	154.7	160.4
Total Est. Coal Bill, $1,000	466,374.7	543,001.8	486,250.6	497,831.1	469,825.3	453,944.0	5,543,935.2
West North Central							
Receipts Purchased, 1,000 Short Tons	8,416.1	9,577.1	8,709.9	8,432.9	8,794.7	9,204.9	99,539.9
Total Heating Val, Billion Btu	146,922.1	168,313.4	153,147.7	148,501.5	153,008.3	157,758.9	1,734,048.9
Sulfur Content, % by Weight	1.0	1.0	1.0	1.1	1.0	.9	1.0
Avg. Cost, Cents per Million Btu	117.5	113.4	114.3	112.1	110.0	106.0	115.4
Total Est. Coal Bill, $1,000	172,640.4	190,784.1	175,119.5	166,482.0	168,315.7	167,301.3	2,001,861.8
South Atlantic							
Receipts Purchased, 1,000 Short Tons	8,265.9	11,359.8	10,536.0	10,382.4	10,221.6	10,111.0	120,975.9
Total Heating Val, Billion Btu	207,504.5	284,438.8	262,873.9	258,848.2	253,951.1	252,384.7	3,018,999.9
Sulfur Content, % by Weight	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Avg. Cost, Cents per Million Btu	168.1	164.5	163.8	165.4	166.8	164.3	166.5
Total Est. Coal Bill, $1,000	348,735.8	467,866.8	430,644.6	428,215.0	423,667.5	414,646.0	5,025,734.2
East South Central							
Receipts Purchased, 1,000 Short Tons	5,697.8	6,435.1	6,441.7	6,764.3	6,180.2	6,234.7	73,868.0
Total Heating Val, Billion Btu	136,186.6	153,588.8	153,429.3	160,874.0	146,821.7	147,694.7	1,759,889.1
Sulfur Content, % by Weight	2.0	2.1	2.1	2.2	2.1	2.1	2.1
Avg. Cost, Cents per Million Btu	155.6	150.8	147.2	143.6	144.8	143.2	148.4
Total Est. Coal Bill, $1,000	211,876.8	231,542.9	225,801.8	231,067.9	212,552.5	211,554.5	2,611,663.3
West South Central							
Receipts Purchased, 1,000 Short Tons	11,107.8	11,273.5	9,671.4	9,732.0	9,114.6	10,109.4	117,143.6
Total Heating Val, Billion Btu	171,368.6	175,084.3	148,471.2	151,024.8	142,677.6	156,847.1	1,808,027.0
Sulfur Content, % by Weight	.6	.6	.6	.6	.6	.6	.6
Avg. Cost, Cents per Million Btu	141.7	146.3	147.9	158.6	162.6	146.6	149.5
Total Est. Coal Bill, $1,000	242,860.0	256,061.7	219,596.8	239,522.7	231,992.0	229,967.3	2,703,715.9
Mountain							
Receipts Purchased, 1,000 Short Tons	8,077.8	9,123.4	8,444.5	8,465.9	8,429.6	8,740.5	97,183.7
Total Heating Val, Billion Btu	157,197.0	176,487.9	163,978.6	164,075.3	163,346.7	168,028.7	1,892,580.2
Sulfur Content, % by Weight	.6	.6	.5	.5	.5	.5	.5
Avg. Cost, Cents per Million Btu	105.9	108.8	110.5	110.1	106.8	107.9	109.5
Total Est. Coal Bill, $1,000	166,471.7	194,282.7	181,256.8	180,641.8	174,453.8	181,315.3	2,072,403.3
Pacific							
Receipts Purchased, 1,000 Short Tons	401.0	424.0	477.0	522.0	463.0	484.0	5,855.6
Total Heating Val, Billion Btu	6,496.2	7,016.9	8,066.8	8,764.8	7,578.3	7,912.7	96,257.3
Sulfur Content, % by Weight	.6	.7	.6	.7	.7	.7	.6
Avg. Cost, Cents per Million Btu	160.4	160.2	155.4	156.9	161.2	160.3	154.5
Total Est. Coal Bill, $1,000	10,419.9	11,241.2	12,537.5	13,755.0	12,214.1	12,682.9	148,764.2
Pacific Noncontiguous							
Receipts Purchased, 1,000 Short Tons	–	–	–	–	–	–	–
Total Heating Val, Billion Btu	–	–	–	–	–	–	–
Sulfur Content, % by Weight	–	–	–	–	–	–	–
Avg. Cost, Cents per Million Btu	–	–	–	–	–	–	–
Total Est. Coal Bill, $1,000	–	–	–	–	–	–	–
Total							
Receipts Purchased, 1,000 Short Tons	58,989.1	68,696.3	63,102.9	63,574.1	62,015.4	63,487.3	727,775.5
Total Heating Val, Billion Btu	1,215,056.3	1,435,162.4	1,319,996.7	1,334,264.2	1,297,289.9	1,320,493.6	15,211,850.1
Sulfur Content, % by Weight	1.2	1.3	1.3	1.3	1.3	1.3	1.3
Avg. Cost, Cents per Million Btu	146.0	145.3	145.3	145.6	145.6	142.3	146.6
Total Est. Coal Bill, $1,000	1,774,029.0	2,085,243.2	1,917,430.0	1,942,914.1	1,886,250.1	1,879,302.0	22,301,523.3

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 36. Monthly Statistics of Petroleum by Census Division, 1988

Census Division	January	February	March	April	May	June
New England						
Receipts Purchased, 1,000 Bbls	7,642.5	6,989.8	4,863.0	3,535.1	4,286.9	3,472.9
Total Heating Val, Billion Btu	48,354.4	44,168.6	30,684.0	22,259.8	27,127.6	22,088.5
Sulfur Content, % by Weight	1.3	1.3	1.2	1.5	1.4	1.4
Avg. Cost, Cents per Million Btu	238.3	240.6	222.2	223.9	247.6	226.9
Total Est. Oil Bill, $1,000	115,250.3	106,272.5	68,180.8	49,839.9	67,168.6	50,125.1
Middle Atlantic						
Receipts Purchased, 1,000 Bbls	8,802.3	6,886.2	6,418.1	5,584.6	3,428.3	5,534.3
Total Heating Val, Billion Btu	55,213.7	43,304.8	40,289.2	35,332.9	21,678.4	34,926.5
Sulfur Content, % by Weight	.7	.6	.7	.9	.7	.7
Avg. Cost, Cents per Million Btu	279.2	276.4	241.9	229.4	244.3	239.4
Total Est. Oil Bill, $1,000	154,178.1	119,709.0	97,449.2	81,065.0	52,952.3	83,612.3
East North Central						
Receipts Purchased, 1,000 Bbls	293.8	124.9	426.4	244.3	452.9	217.4
Total Heating Val, Billion Btu	1,740.0	741.3	2,609.7	1,501.4	2,822.0	1,296.5
Sulfur Content, % by Weight	.4	.4	.6	.6	.6	.6
Avg. Cost, Cents per Million Btu	353.8	352.3	321.3	334.9	316.0	333.5
Total Est. Oil Bill, $1,000	6,155.9	2,611.2	8,383.8	5,028.8	8,917.5	4,324.5
West North Central						
Receipts Purchased, 1,000 Bbls	76.7	60.6	51.7	49.3	57.5	36.0
Total Heating Val, Billion Btu	476.1	380.4	318.7	303.4	349.9	218.2
Sulfur Content, % by Weight	1.2	1.4	1.0	.8	.8	.8
Avg. Cost, Cents per Million Btu	257.3	231.7	260.3	263.6	307.1	295.1
Total Est. Oil Bill, $1,000	1,224.9	881.2	829.6	799.7	1,074.7	644.0
South Atlantic						
Receipts Purchased, 1,000 Bbls	2,208.6	2,581.0	5,258.8	2,116.0	2,812.2	4,521.4
Total Heating Val, Billion Btu	13,935.7	16,240.1	33,353.4	13,421.1	17,803.2	28,574.8
Sulfur Content, % by Weight	1.3	1.2	1.1	1.0	1.3	1.1
Avg. Cost, Cents per Million Btu	244.0	239.2	223.8	230.8	226.7	231.8
Total Est. Oil Bill, $1,000	34,005.2	38,841.8	74,642.1	30,981.6	40,357.2	66,247.4
East South Central						
Receipts Purchased, 1,000 Bbls	56.5	37.0	38.0	24.7	53.9	127.4
Total Heating Val, Billion Btu	325.0	214.9	219.9	143.3	313.3	769.7
Sulfur Content, % by Weight	.3	.4	.4	.4	.3	1.6
Avg. Cost, Cents per Million Btu	392.5	378.9	361.3	402.2	417.3	380.4
Total Est. Oil Bill, $1,000	1,275.5	814.1	794.5	576.3	1,307.4	2,928.0
West South Central						
Receipts Purchased, 1,000 Bbls	127.8	60.2	20.6	52.3	119.7	109.3
Total Heating Val, Billion Btu	767.8	357.6	120.0	312.4	744.1	675.0
Sulfur Content, % by Weight	.4	.5	.3	.5	.7	.7
Avg. Cost, Cents per Million Btu	408.7	424.6	394.3	366.8	313.2	353.3
Total Est. Oil Bill, $1,000	3,137.7	1,518.2	473.0	1,145.9	2,330.4	2,384.9
Mountain						
Receipts Purchased, 1,000 Bbls	142.4	126.6	148.7	119.4	144.1	108.4
Total Heating Val, Billion Btu	871.7	775.5	907.3	734.6	883.5	660.8
Sulfur Content, % by Weight	.6	.6	.6	.7	.6	.6
Avg. Cost, Cents per Million Btu	298.0	283.7	304.8	276.4	310.2	313.0
Total Est. Oil Bill, $1,000	2,597.7	2,200.4	2,765.7	2,030.8	2,740.5	2,068.3
Pacific						
Receipts Purchased, 1,000 Bbls	19.0	2,261.0	36.1	218.0	2.0	248.0
Total Heating Val, Billion Btu	116.6	13,873.4	227.9	1,344.7	11.8	1,519.4
Sulfur Content, % by Weight	.1	.3	1.2	.4	.3	.4
Avg. Cost, Cents per Million Btu	332.8	293.1	229.9	242.7	456.7	250.2
Total Est. Oil Bill, $1,000	388.2	40,668.3	523.8	3,263.6	54.1	3,801.4
Pacific Noncontiguous						
Receipts Purchased, 1,000 Bbls	820.5	816.0	910.0	817.1	1,020.9	863.1
Total Heating Val, Billion Btu	5,121.8	5,105.3	5,724.3	5,148.5	6,380.1	5,367.6
Sulfur Content, % by Weight	.5	.4	.4	.5	.5	.5
Avg. Cost, Cents per Million Btu	332.5	311.5	298.7	293.3	294.8	290.0
Total Est. Oil Bill, $1,000	17,028.3	15,901.5	17,099.8	15,100.0	18,809.1	15,567.5
Total						
Receipts Purchased, 1,000 Bbls	20,190.1	19,943.3	18,171.4	12,761.0	12,378.5	15,238.1
Total Heating Val, Billion Btu	126,922.8	125,161.9	114,454.3	80,502.0	78,114.0	96,097.2
Sulfur Content, % by Weight	1.0	.9	.9	1.0	1.1	1.0
Avg. Cost, Cents per Million Btu	264.1	263.2	236.9	235.8	250.5	241.1
Total Est. Oil Bill, $1,000	335,241.6	329,418.4	271,142.5	189,831.8	195,711.8	231,703.4

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 36. Monthly Statistics of Petroleum by Census Division, 1988 (Continued)

Census Division	July	August	September	October	November	December	12-Month Total
New England							
Receipts Purchased, 1,000 Bbls	4,174.3	5,982.2	3,704.1	4,626.7	5,281.4	5,548.1	60,107.1
Total Heating Val, Billion Btu	26,490.3	37,920.9	23,431.3	29,236.2	33,175.6	34,843.4	379,780.6
Sulfur Content, % by Weight	1.4	1.4	1.3	1.1	1.2	1.1	1.3
Avg. Cost, Cents per Million Btu	223.4	232.5	218.3	194.3	213.6	232.3	227.5
Total Est. Oil Bill, $1,000	59,188.7	88,149.9	51,147.2	56,794.0	70,859.3	80,947.8	863,924.1
Middle Atlantic							
Receipts Purchased, 1,000 Bbls	6,757.5	9,015.6	6,391.5	7,277.6	9,100.8	12,023.6	87,220.3
Total Heating Val, Billion Btu	42,556.4	56,819.3	40,291.8	45,578.4	56,909.1	75,002.0	547,902.4
Sulfur Content, % by Weight	.7	.7	.7	.6	.7	.6	.7
Avg. Cost, Cents per Million Btu	237.3	242.4	231.0	221.1	249.4	266.8	248.9
Total Est. Oil Bill, $1,000	100,969.1	137,746.3	93,073.9	100,754.6	141,909.9	200,130.6	1,363,550.3
East North Central							
Receipts Purchased, 1,000 Bbls	505.7	706.3	559.2	535.9	493.5	894.4	5,454.6
Total Heating Val, Billion Btu	3,107.6	4,316.4	3,416.2	3,310.5	3,016.4	5,504.7	33,382.8
Sulfur Content, % by Weight	.6	.7	.6	.7	.9	.7	.6
Avg. Cost, Cents per Million Btu	295.3	289.7	293.1	281.3	272.1	292.5	301.8
Total Est. Oil Bill, $1,000	9,177.2	12,505.1	10,012.2	9,313.9	8,208.4	16,102.0	100,740.5
West North Central							
Receipts Purchased, 1,000 Bbls	74.7	93.8	46.9	84.4	55.4	37.4	724.3
Total Heating Val, Billion Btu	453.0	570.8	292.9	513.9	326.9	216.3	4,420.5
Sulfur Content, % by Weight	.8	.8	1.2	1.0	.6	.2	.9
Avg. Cost, Cents per Million Btu	268.3	288.0	226.1	270.6	332.7	364.0	276.9
Total Est. Oil Bill, $1,000	1,215.3	1,643.8	662.1	1,390.5	1,087.7	787.4	12,241.0
South Atlantic							
Receipts Purchased, 1,000 Bbls	5,912.3	6,850.6	6,109.5	5,031.6	4,791.0	5,700.5	53,893.6
Total Heating Val, Billion Btu	37,354.7	43,401.9	38,526.1	31,861.1	30,403.7	35,988.5	340,864.3
Sulfur Content, % by Weight	1.1	1.1	1.1	1.1	1.1	1.2	1.1
Avg. Cost, Cents per Million Btu	228.3	232.3	223.1	204.7	226.7	235.5	227.7
Total Est. Oil Bill, $1,000	85,275.4	100,823.7	85,951.9	65,211.4	68,921.1	84,744.3	776,003.4
East South Central							
Receipts Purchased, 1,000 Bbls	244.7	402.1	51.4	42.2	370.8	120.3	1,569.0
Total Heating Val, Billion Btu	1,533.7	2,520.4	298.9	245.8	2,326.6	739.9	9,651.4
Sulfur Content, % by Weight	2.5	2.8	.3	.3	2.5	2.0	2.0
Avg. Cost, Cents per Million Btu	351.6	337.1	371.9	367.5	299.6	307.1	340.3
Total Est. Oil Bill, $1,000	5,392.5	8,495.4	1,111.7	903.2	6,969.6	2,272.4	32,840.4
West South Central							
Receipts Purchased, 1,000 Bbls	133.6	173.0	105.7	183.4	160.5	225.5	1,471.6
Total Heating Val, Billion Btu	817.3	1,064.0	645.2	1,115.3	994.7	1,390.5	9,003.8
Sulfur Content, % by Weight	.5	.5	.5	.6	.2	.7	.5
Avg. Cost, Cents per Million Btu	416.2	391.8	415.5	255.0	269.7	311.8	345.5
Total Est. Oil Bill, $1,000	3,402.0	4,169.2	2,680.4	2,843.7	2,682.5	4,336.1	31,104.2
Mountain							
Receipts Purchased, 1,000 Bbls	106.3	125.8	128.2	121.0	102.9	126.1	1,499.9
Total Heating Val, Billion Btu	642.0	763.4	783.8	740.2	629.5	771.9	9,164.2
Sulfur Content, % by Weight	.6	.6	.7	.6	.7	.7	.6
Avg. Cost, Cents per Million Btu	308.9	299.1	282.7	282.0	268.5	240.9	289.4
Total Est. Oil Bill, $1,000	1,982.7	2,283.7	2,216.1	2,087.6	1,689.9	1,859.5	26,522.9
Pacific							
Receipts Purchased, 1,000 Bbls	234.0	569.5	2,267.2	5,059.6	2,927.0	1,142.0	14,983.5
Total Heating Val, Billion Btu	1,439.9	3,562.3	14,000.8	30,996.9	18,028.1	6,961.6	92,083.4
Sulfur Content, % by Weight	.5	.7	.4	.2	.3	.3	.3
Avg. Cost, Cents per Million Btu	234.7	251.3	263.5	266.2	253.3	270.7	266.0
Total Est. Oil Bill, $1,000	3,379.6	8,950.9	36,893.6	82,499.2	45,673.3	18,844.7	244,940.7
Pacific Noncontiguous							
Receipts Purchased, 1,000 Bbls	1,012.4	784.5	798.1	731.8	705.7	719.5	9,999.6
Total Heating Val, Billion Btu	6,348.1	4,920.2	5,009.0	4,561.7	4,441.1	4,518.2	62,646.0
Sulfur Content, % by Weight	.5	.5	.5	.4	.5	.5	.5
Avg. Cost, Cents per Million Btu	267.4	267.3	276.3	278.0	260.1	263.8	286.7
Total Est. Oil Bill, $1,000	16,974.1	13,153.3	13,839.6	12,680.3	11,552.4	11,919.6	179,625.6
Total							
Receipts Purchased, 1,000 Bbls	19,155.6	24,703.3	20,161.8	23,694.2	23,989.1	26,537.4	236,923.5
Total Heating Val, Billion Btu	120,743.0	155,859.6	126,695.9	148,160.0	150,251.6	165,937.0	1,488,899.3
Sulfur Content, % by Weight	1.0	1.0	.9	.7	.8	.8	.9
Avg. Cost, Cents per Million Btu	237.7	242.5	234.9	225.8	239.3	254.3	243.9
Total Est. Oil Bill, $1,000	286,956.6	377,921.4	297,588.7	334,478.4	359,554.0	421,944.4	3,631,493.0

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 37. Monthly Statistics of Gas by Census Division, 1988

Census Division	January	February	March	April	May	June
New England						
Qnty Purchased: Firm 1,000 Mcf	1.0	34.1	24.1	95.0	335.0	4,037.7
Interruptible 1,000 Mcf[1]	.7	.3	67.6	6.5	740.8	1,089.0
Total 1,000 Mcf	1.7	34.4	91.7	101.5	1,075.8	5,126.7
Total Heating Val, Billion Btu	1.8	35.5	92.4	104.6	1,103.0	5,285.1
Avg. Cost, Cents per Million Btu	434.6	543.3	358.2	233.6	219.8	210.1
Total Est. Gas Bill, $1,000	7.9	192.7	331.2	244.4	2,424.6	11,104.5
Middle Atlantic						
Qnty Purchased: Firm 1,000 Mcf	2,256.0	5,559.0	6,092.0	4,944.0	8,152.4	8,960.0
Interruptible 1,000 Mcf[1]	3,259.3	4,611.0	5,338.4	8,190.5	12,611.4	17,070.9
Total 1,000 Mcf	5,515.3	10,170.0	11,430.4	13,134.5	20,763.8	26,030.9
Total Heating Val, Billion Btu	5,688.5	10,500.3	11,797.3	13,547.5	21,429.4	26,869.2
Avg. Cost, Cents per Million Btu	270.2	260.9	245.7	220.8	209.2	210.9
Total Est. Gas Bill, $1,000	15,367.9	27,397.5	28,981.2	29,918.9	44,839.2	56,669.8
East North Central						
Qnty Purchased: Firm 1,000 Mcf	320.4	336.0	260.4	335.2	430.1	413.8
Interruptible 1,000 Mcf[1]	700.5	1,177.8	1,799.4	842.6	1,497.9	1,744.8
Total 1,000 Mcf	1,021.0	1,513.8	2,059.9	1,177.8	1,928.0	2,158.6
Total Heating Val, Billion Btu	643.1	638.4	586.2	555.4	1,332.7	1,145.7
Avg. Cost, Cents per Million Btu	333.4	336.5	310.7	325.6	322.6	289.2
Total Est. Gas Bill, $1,000	2,143.9	2,148.0	1,821.6	1,808.6	4,299.5	3,313.7
West North Central						
Qnty Purchased: Firm 1,000 Mcf	82.4	66.9	77.5	63.3	167.3	267.5
Interruptible 1,000 Mcf[1]	1,112.8	905.2	1,044.2	954.2	1,504.9	3,808.0
Total 1,000 Mcf	1,195.2	972.1	1,121.7	1,017.5	1,672.3	4,075.5
Total Heating Val, Billion Btu	1,174.6	965.3	1,122.8	1,016.5	1,674.7	4,059.3
Avg. Cost, Cents per Million Btu	262.4	250.0	243.6	220.8	186.7	195.2
Total Est. Gas Bill, $1,000	3,082.8	2,412.9	2,734.6	2,244.0	3,126.4	7,925.1
South Atlantic						
Qnty Purchased: Firm 1,000 Mcf	7,296.8	6,281.4	7,933.7	9,997.3	11,654.6	12,654.7
Interruptible 1,000 Mcf[1]	1,813.9	1,514.6	2,186.4	2,626.1	2,812.8	4,436.8
Total 1,000 Mcf	9,118.7	7,796.0	10,120.0	12,623.3	14,467.4	17,091.5
Total Heating Val, Billion Btu	9,179.8	7,840.5	10,185.9	12,706.4	14,576.7	17,252.7
Avg. Cost, Cents per Million Btu	251.7	227.7	196.2	204.1	197.1	213.2
Total Est. Gas Bill, $1,000	23,102.4	17,849.3	19,982.6	25,928.2	28,737.3	36,777.9
East South Central						
Qnty Purchased: Firm 1,000 Mcf	53.9	679.8	770.9	722.1	807.8	3,357.0
Interruptible 1,000 Mcf[1]	909.9	320.5	299.0	252.2	494.7	676.7
Total 1,000 Mcf	963.8	1,000.3	1,069.9	974.3	1,302.5	4,033.7
Total Heating Val, Billion Btu	984.4	1,014.3	1,092.0	1,003.8	1,334.8	4,187.5
Avg. Cost, Cents per Million Btu	191.3	208.9	201.6	188.2	177.5	170.9
Total Est. Gas Bill, $1,000	1,883.4	2,118.5	2,201.5	1,889.3	2,369.4	7,157.1
West South Central						
Qnty Purchased: Firm 1,000 Mcf	84,080.6	71,034.0	78,246.0	80,530.5	88,318.2	103,865.5
Interruptible 1,000 Mcf[1]	20,527.8	16,645.0	22,126.3	20,304.4	29,757.9	34,189.5
Total 1,000 Mcf	104,608.4	87,679.0	100,372.3	100,834.9	118,076.1	138,055.0
Total Heating Val, Billion Btu	108,560.6	90,996.2	104,060.0	104,290.5	121,943.4	143,017.2
Avg. Cost, Cents per Million Btu	231.6	228.0	207.6	192.6	188.4	191.1
Total Est. Gas Bill, $1,000	251,394.9	207,462.1	216,047.4	200,889.5	229,773.3	273,296.6
Mountain						
Qnty Purchased: Firm 1,000 Mcf	1,474.3	958.7	849.8	1,085.5	2,260.8	1,297.8
Interruptible 1,000 Mcf[1]	3,560.7	1,008.4	1,590.7	1,347.2	1,687.0	3,298.7
Total 1,000 Mcf	5,035.0	1,967.0	2,440.5	2,432.7	3,947.8	4,596.6
Total Heating Val, Billion Btu	5,123.3	2,031.9	2,513.6	2,492.2	4,066.3	4,701.9
Avg. Cost, Cents per Million Btu	248.6	250.7	235.1	217.2	208.7	212.3
Total Est. Gas Bill, $1,000	12,735.7	5,094.1	5,910.3	5,413.7	8,485.7	9,981.0
Pacific						
Qnty Purchased: Firm 1,000 Mcf	–	–	–	–	–	–
Interruptible 1,000 Mcf[1]	23,906.8	42,153.6	57,074.3	47,575.7	51,454.5	49,938.1
Total 1,000 Mcf	23,906.8	42,153.6	57,074.3	47,575.7	51,454.5	49,938.1
Total Heating Val, Billion Btu	24,946.7	43,808.6	59,236.4	49,421.8	53,413.7	51,629.2
Avg. Cost, Cents per Million Btu	327.6	288.3	256.3	254.1	233.9	259.2
Total Est. Gas Bill, $1,000	81,726.8	126,300.2	151,834.7	125,558.3	124,920.2	133,815.8
Pacific Noncontiguous						
Qnty Purchased: Firm 1,000 Mcf	–	–	–	–	–	–
Interruptible 1,000 Mcf[1]	–	–	–	–	–	–
Total 1,000 Mcf	–	–	–	–	–	–
Total Heating Val, Billion Btu	–	–	–	–	–	–
Avg. Cost, Cents per Million Btu	–	–	–	–	–	–
Total Est. Gas Bill, $1,000	–	–	–	–	–	–
Total						
Qnty Purchased: Firm 1,000 Mcf	95,567.5	84,949.8	94,254.4	97,772.9	112,126.3	134,854.0
Interruptible 1,000 Mcf[1]	55,798.3	68,336.3	91,526.3	82,099.3	102,561.8	116,250.4
Total 1,000 Mcf	151,365.8	153,286.1	185,780.7	179,872.2	214,688.1	251,104.4
Total Heating Val, Billion Btu	156,302.9	157,830.9	190,686.6	185,136.7	220,874.8	258,147.8
Avg. Cost, Cents per Million Btu	250.4	247.7	225.4	212.8	203.3	209.2
Total Est. Gas Bill, $1,000	391,445.6	390,975.4	429,844.9	393,894.8	448,975.4	540,041.4

[1] Includes Off-Peak Gas.

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 37. Monthly Statistics of Gas by Census Division, 1988 (Continued)

Census Division	July	August	September	October	November	December	12-Month Total
New England							
Qnty Purchased: Firm 1,000 Mcf	2,067.1	2,844.0	147.7	139.6	201.7	38.5	9,965.4
Interruptible 1,000 Mcf[1]	1,233.5	1,373.1	308.2	45.6	113.8	33.5	5,012.6
Total 1,000 Mcf	3,300.6	4,217.1	455.9	185.2	315.5	72.0	14,978.0
Total Heating Val, Billion Btu	3,393.8	4,329.4	461.7	191.9	334.6	75.9	15,409.8
Avg. Cost, Cents per Million Btu	209.2	228.7	252.2	273.9	251.8	407.8	221.6
Total Est. Gas Bill, $1,000	7,100.2	9,901.6	1,164.2	525.7	842.5	309.6	34,149.1
Middle Atlantic							
Qnty Purchased: Firm 1,000 Mcf	10,824.0	11,078.0	6,611.0	3,442.0	2,808.0	90.0	70,816.4
Interruptible 1,000 Mcf[1]	19,533.9	18,082.1	8,119.6	5,379.7	2,765.9	919.0	105,881.6
Total 1,000 Mcf	30,357.9	29,160.1	14,730.6	8,821.7	5,573.9	1,009.0	176,698.0
Total Heating Val, Billion Btu	31,305.0	30,055.1	15,183.7	9,071.1	5,732.6	1,032.8	182,212.4
Avg. Cost, Cents per Million Btu	210.4	219.3	230.3	229.1	250.7	296.5	224.0
Total Est. Gas Bill, $1,000	65,880.2	65,916.3	34,973.7	20,784.7	14,373.4	3,062.3	408,165.1
East North Central							
Qnty Purchased: Firm 1,000 Mcf	729.4	660.2	259.0	449.5	571.2	2,269.2	7,034.5
Interruptible 1,000 Mcf[1]	1,822.4	2,154.8	1,135.0	1,356.5	642.5	307.8	15,181.9
Total 1,000 Mcf	2,551.8	2,815.0	1,394.0	1,805.9	1,213.7	2,577.0	22,216.4
Total Heating Val, Billion Btu	1,199.9	1,669.5	622.2	763.1	946.8	1,198.4	11,301.4
Avg. Cost, Cents per Million Btu	267.6	273.2	262.1	281.6	298.3	292.8	295.7
Total Est. Gas Bill, $1,000	3,210.5	4,561.7	1,630.5	2,148.6	2,824.7	3,509.3	33,420.6
West North Central							
Qnty Purchased: Firm 1,000 Mcf	238.6	130.6	91.9	85.6	188.3	80.7	1,540.7
Interruptible 1,000 Mcf[1]	3,300.7	3,987.4	1,128.1	1,144.4	1,159.4	892.1	20,939.3
Total 1,000 Mcf	3,539.2	4,118.0	1,220.0	1,230.0	1,347.7	972.8	22,480.0
Total Heating Val, Billion Btu	3,527.9	4,108.7	1,210.8	1,209.1	1,321.2	957.9	22,348.7
Avg. Cost, Cents per Million Btu	194.5	196.2	232.4	208.5	227.8	244.3	210.9
Total Est. Gas Bill, $1,000	6,861.7	8,062.4	2,813.9	2,520.6	3,009.6	2,340.0	47,134.0
South Atlantic							
Qnty Purchased: Firm 1,000 Mcf	11,849.8	11,699.9	9,222.0	3,521.0	1,600.3	3,263.3	96,976.7
Interruptible 1,000 Mcf[1]	6,507.6	6,374.4	5,186.1	3,555.9	2,322.3	2,539.6	41,882.4
Total 1,000 Mcf	18,357.4	18,074.3	14,408.1	7,077.0	3,922.5	5,802.9	138,859.1
Total Heating Val, Billion Btu	18,586.4	18,298.7	14,563.9	7,182.4	4,003.8	5,913.2	140,290.5
Avg. Cost, Cents per Million Btu	227.0	208.6	208.4	172.1	220.1	227.6	212.2
Total Est. Gas Bill, $1,000	42,186.6	38,175.4	30,358.4	12,358.3	8,811.8	13,460.8	297,728.8
East South Central							
Qnty Purchased: Firm 1,000 Mcf	5,934.1	5,908.4	3,133.7	687.3	622.6	688.8	23,366.4
Interruptible 1,000 Mcf[1]	977.7	972.6	616.7	542.2	366.0	163.8	6,591.9
Total 1,000 Mcf	6,911.9	6,881.0	3,750.3	1,229.5	988.6	852.6	29,958.4
Total Heating Val, Billion Btu	7,095.6	7,052.8	3,856.5	1,246.2	997.3	886.3	30,751.6
Avg. Cost, Cents per Million Btu	176.6	188.0	196.8	192.3	197.4	219.3	186.3
Total Est. Gas Bill, $1,000	12,528.6	13,256.7	7,591.5	2,396.1	1,968.9	1,943.6	57,304.6
West South Central							
Qnty Purchased: Firm 1,000 Mcf	121,385.8	134,261.5	105,489.1	80,448.9	79,598.6	72,413.0	1,099,671.6
Interruptible 1,000 Mcf[1]	38,537.0	44,852.2	28,701.9	20,265.0	16,918.8	9,636.7	302,462.6
Total 1,000 Mcf	159,922.7	179,113.7	134,191.0	100,713.9	96,517.4	82,049.7	1,402,134.1
Total Heating Val, Billion Btu	165,461.7	185,523.2	139,186.8	104,402.5	99,903.1	84,935.0	1,452,280.0
Avg. Cost, Cents per Million Btu	198.1	213.0	204.6	208.1	225.6	223.0	207.8
Total Est. Gas Bill, $1,000	327,756.4	395,182.3	284,711.6	217,235.3	225,358.4	189,369.9	3,016,497.6
Mountain							
Qnty Purchased: Firm 1,000 Mcf	1,340.3	1,710.6	1,084.3	1,085.9	1,198.7	2,742.9	17,089.7
Interruptible 1,000 Mcf[1]	4,631.5	5,348.5	2,006.8	1,981.6	864.5	1,587.2	28,912.7
Total 1,000 Mcf	5,971.7	7,059.2	3,091.1	3,067.5	2,063.2	4,330.2	46,002.4
Total Heating Val, Billion Btu	6,164.6	7,291.6	3,173.4	3,129.5	2,098.6	4,341.6	47,128.5
Avg. Cost, Cents per Million Btu	224.1	229.6	252.5	231.1	242.6	221.4	229.4
Total Est. Gas Bill, $1,000	13,812.5	16,739.5	8,012.5	7,233.3	5,090.9	9,614.4	108,123.6
Pacific							
Qnty Purchased: Firm 1,000 Mcf	–	–	–	–	–	–	–
Interruptible 1,000 Mcf[1]	63,765.6	52,428.5	37,826.7	38,045.6	21,957.4	23,267.4	509,394.2
Total 1,000 Mcf	63,735.6	52,428.5	37,826.7	38,045.6	21,957.4	23,267.4	509,394.2
Total Heating Val, Billion Btu	65,990.9	54,425.4	39,241.0	39,190.6	22,600.7	23,923.0	527,827.9
Avg. Cost, Cents per Million Btu	264.4	302.9	317.8	309.0	355.3	354.7	283.1
Total Est. Gas Bill, $1,000	174,509.2	164,840.0	124,722.6	121,083.1	80,289.9	84,856.1	1,494,456.9
Pacific Noncontiguous							
Qnty Purchased: Firm 1,000 Mcf	–	–	–	–	–	–	–
Interruptible 1,000 Mcf[1]	–	–	–	–	–	–	–
Total 1,000 Mcf	–	–	–	–	–	–	–
Total Heating Val, Billion Btu	–	–	–	–	–	–	–
Avg. Cost, Cents per Million Btu	–	–	–	–	–	–	–
Total Est. Gas Bill, $1,000	–	–	–	–	–	–	–
Total							
Qnty Purchased: Firm 1,000 Mcf	154,369.0	168,293.2	126,038.6	89,859.8	86,789.5	81,586.5	1,326,461.4
Interruptible 1,000 Mcf[1]	140,309.8	135,573.5	85,029.1	72,316.6	47,110.4	39,347.3	1,036,259.2
Total 1,000 Mcf	294,678.8	303,866.7	211,067.7	162,176.4	133,899.9	120,933.8	2,362,720.6
Total Heating Val, Billion Btu	302,725.8	312,754.3	217,500.1	166,388.3	137,938.6	123,264.2	2,429,551.0
Avg. Cost, Cents per Million Btu	216.0	229.1	228.0	232.2	248.3	250.3	226.3
Total Est. Gas Bill, $1,000	653,845.9	716,636.0	495,979.0	386,285.7	342,570.1	306,486.0	5,496,980.2

[1] Includes Off-Peak Gas.

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 38. Primary Energy Purchase Data by Census Division and State, 1988

Census Division and State	Total Btu (billions)				% of Total Btu			Avg. Delivered Cost, (cents per 10^6 Btu)		
	Total	Coal	Petroleum	Gas	Coal	Petroleum	Gas	Coal	Petroleum	Gas
New England	**562,998.0**	**167,807.7**	**379,780.6**	**15,409.8**	**29.8**	**67.5**	**2.7**	**173.2**	**227.5**	**221.6**
Connecticut	139,780.1	21,810.2	116,671.3	1,298.6	15.6	83.5	.9	228.6	239.7	217.4
Maine	32,067.4	–	32,067.4	–	–	100.0	–	–	235.3	–
Massachusetts	315,066.8	112,355.7	188,771.4	13,939.7	35.7	59.9	4.4	161.2	225.9	222.2
New Hampshire	66,940.3	33,641.7	33,298.6	–	50.3	49.7	–	177.7	186.9	–
Rhode Island	9,143.3	–	8,971.8	171.5	–	98.1	1.9	–	224.6	208.6
Vermont	–	–	–	–	–	–	–	–	–	–
Middle Atlantic	**[1] 2,015,141.9**	**1,278,302.0**	**547,902.4**	**182,212.4**	**[1] 63.4**	**[1] 27.2**	**[1] 9.0**	**148.8**	**248.9**	**224.0**
New Jersey	186,189.5	66,000.5	85,015.0	35,174.3	35.4	45.7	18.9	171.7	251.2	224.5
New York	[1] 762,991.6	219,441.7	396,869.5	146,632.5	[1] 28.8	[1] 52.0	[1] 19.2	158.1	248.9	223.6
Pennsylvania	[1] 1,065,960.3	992,859.9	66,018.0	405.6	[1] 93.1	[1] 6.2	[1] .0	145.3	245.8	333.0
East North Central	**[1] 3,502,411.2**	**3,455,937.9**	**33,382.8**	**11,301.4**	**[1] 98.7**	**[1] 1.0**	**[1] .3**	**160.4**	**301.8**	**295.7**
Illinois	588,475.7	572,638.7	11,223.1	4,613.9	97.3	1.9	.8	190.6	312.0	326.9
Indiana	[1] 795,774.2	789,037.7	1,866.5	3,080.7	[1] 99.2	[1] .2	[1] .4	143.2	363.4	259.1
Michigan	675,012.3	658,257.5	14,636.0	2,118.8	97.5	2.2	.3	175.7	279.9	255.5
Ohio	1,100,032.1	1,094,560.1	4,988.5	483.5	99.5	.5	*	152.2	311.7	346.5
Wisconsin	343,116.9	341,443.8	668.6	1,004.5	99.5	.2	.3	146.4	364.5	325.2
West North Central	**[1] 1,762,846.2**	**1,734,048.9**	**4,420.5**	**22,348.7**	**[1] 98.4**	**[1] .3**	**[1] 1.3**	**115.4**	**276.9**	**210.9**
Iowa	[1] 261,782.6	257,422.5	447.1	3,866.6	[1] 98.3	[1] .2	[1] 1.5	123.5	372.1	202.7
Kansas	279,346.7	265,719.6	792.3	12,834.8	95.1	.3	4.6	123.9	318.6	206.0
Minnesota	[1] 275,375.1	270,030.0	91.3	3,381.6	[1] 98.1	[1] .0	[1] 1.2	119.6	369.2	198.4
Missouri	[1] 501,526.1	498,535.6	2,180.5	698.5	[1] 99.4	[1] .4	[1] .1	138.2	237.0	277.0
Nebraska	131,235.6	129,036.4	635.1	1,564.0	98.3	.5	1.2	84.1	241.7	268.6
North Dakota	286,152.1	285,929.7	221.2	1.2	99.9	.1	*	70.3	362.1	428.6
South Dakota	27,428.0	27,375.1	52.9	–	99.8	.2	–	121.4	401.7	–
South Atlantic	**3,500,154.7**	**3,018,999.9**	**340,864.3**	**140,290.5**	**86.3**	**9.7**	**4.0**	**166.5**	**227.7**	**212.2**
Delaware	91,992.7	65,139.6	25,455.5	1,397.7	70.8	27.7	1.5	180.6	232.1	242.1
District of Columbia	5,786.1	–	5,786.1	–	–	100.0	–	–	278.9	–
Florida	969,935.7	590,659.8	248,324.1	130,951.8	60.9	25.6	13.5	177.7	221.3	210.1
Georgia	615,522.1	611,918.8	2,239.6	1,363.7	99.4	.4	.2	174.7	283.8	273.4
Maryland	264,926.5	225,323.2	35,566.2	4,037.1	85.1	13.4	1.5	157.6	236.1	259.7
North Carolina	423,741.2	422,410.6	1,330.5	–	99.7	.3	–	177.5	348.5	–
South Carolina	230,570.3	228,202.0	651.3	1,716.9	99.0	.3	.7	176.0	373.6	180.6
Virginia	211,353.9	190,933.9	19,682.3	737.7	90.3	9.3	.3	155.1	236.3	204.9
West Virginia	686,326.3	684,411.9	1,828.7	85.7	99.7	.3	*	144.1	395.8	389.2
East South Central	**1,800,292.2**	**1,759,889.1**	**9,651.4**	**30,751.6**	**97.8**	**.5**	**1.7**	**148.4**	**340.3**	**186.3**
Alabama	485,923.3	483,998.1	803.7	1,121.5	99.6	.2	.2	194.7	366.8	207.1
Kentucky	678,282.8	676,568.2	1,305.2	409.4	99.7	.2	.1	119.8	384.6	246.0
Mississippi	159,432.2	123,353.2	6,858.4	29,220.7	77.4	4.3	18.3	181.2	327.7	184.7
Tennessee	476,653.9	475,969.7	684.2	–	99.9	.1	–	133.5	350.9	–
West South Central	**3,269,310.8**	**1,808,027.0**	**9,003.8**	**1,452,280.0**	**55.3**	**.3**	**44.4**	**149.5**	**345.5**	**207.8**
Arkansas	230,397.2	206,326.7	1,460.0	22,610.5	89.6	.6	9.8	158.5	435.4	135.0
Louisiana	449,621.2	197,893.0	3,149.8	248,578.4	44.0	.7	55.3	155.5	347.6	163.1
Oklahoma	396,790.4	238,036.7	1,085.9	157,667.8	60.0	.3	39.7	148.2	268.2	281.3
Texas	2,192,502.0	1,165,770.7	3,308.0	1,023,423.3	53.2	.2	46.7	147.2	329.1	209.0
Mountain	**1,948,872.9**	**1,892,580.2**	**9,164.2**	**47,128.5**	**97.1**	**.5**	**2.4**	**109.5**	**289.4**	**229.4**
Arizona	313,539.3	300,781.9	1,201.4	11,556.0	95.9	.4	3.7	140.5	407.0	224.1
Colorado	297,351.4	292,149.7	77.1	5,124.6	98.3	*	1.7	106.6	384.8	228.7
Idaho	–	–	–	–	–	–	–	–	–	–
Montana	179,030.3	178,471.5	219.1	339.7	99.7	.1	.2	54.5	403.3	126.3
Nevada	190,294.8	174,753.5	6,144.0	9,397.3	91.8	3.2	4.9	136.3	244.8	271.8
New Mexico	283,530.2	262,437.3	571.9	20,521.1	92.6	.2	7.2	117.5	308.0	213.6
Utah	281,853.2	281,653.2	200.0	–	99.9	.1	–	126.5	398.4	–
Wyoming	403,273.8	402,333.1	750.7	189.9	99.8	.2	*	84.0	379.7	367.9
Pacific	**716,168.6**	**96,257.3**	**92,083.4**	**527,827.9**	**13.4**	**12.9**	**73.7**	**154.5**	**266.0**	**283.1**
California	619,810.7	–	91,982.7	527,827.9	–	14.8	85.2	–	265.8	283.1
Oregon	4,000.7	4,000.7	–	–	100.0	–	–	139.0	–	–
Washington	92,357.2	92,256.5	100.7	–	99.9	.1	–	155.2	403.2	–
Pacific Noncontiguous	**62,646.0**	**–**	**62,646.0**	**–**	**–**	**100.0**	**–**	**–**	**286.7**	**–**
Alaska	–	–	–	–	–	–	–	–	–	–
Hawaii	62,646.0	–	62,646.0	–	–	100.0	–	–	286.7	–
Total	**[1] 19,140,842.6**	**15,211,850.1**	**1,488,899.3**	**2,429,551.0**	**[1] 79.5**	**[1] 7.8**	**[1] 12.7**	**146.6**	**243.9**	**226.3**

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[1] Also includes Petroleum Coke, Refuse, Wood Waste, and Coke Breeze.

* = Number less than 0.05

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 39. Receipts and Average Cost of Coal by Census Division and State, 1988

Census Division and State	Average Cost by Type of Purchase						Average Cost by Type of Mining Method					
	Contract Purchases			Spot Purchases			Strip and Auger			Underground		
	Quantity (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)	Quantity (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)	Quantity (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)	Quantity (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)
New England	**4,542.1**	**174.3**	**45.74**	**1,834.9**	**170.6**	**45.21**	**830.3**	**165.0**	**43.19**	**5,546.7**	**174.5**	**45.95**
Connecticut	794.0	230.7	60.64	36.0	181.7	47.53	–	–	–	830.0	228.6	60.07
Maine	–	–	–	–	–	–	–	–	–	–	–	–
Massachusetts	3,496.9	159.7	41.84	788.5	167.7	44.11	809.0	163.8	42.83	3,476.4	160.5	42.11
New Hampshire	251.2	198.8	53.01	1,010.4	172.4	45.99	21.2	209.0	54.60	1,240.4	177.2	47.26
Rhode Island	–	–	–	–	–	–	–	–	–	–	–	–
Vermont	–	–	–	–	–	–	–	–	–	–	–	–
Middle Atlantic	**39,403.2**	**154.7**	**38.46**	**12,128.5**	**129.8**	**31.93**	**19,826.4**	**140.6**	**34.71**	**31,705.3**	**153.9**	**38.31**
New Jersey	2,082.4	172.1	45.87	394.4	169.4	45.12	637.5	171.2	45.07	1,839.3	171.9	45.99
New York	5,149.6	167.5	43.73	3,412.7	143.3	35.67	3,919.1	146.5	36.44	4,643.2	167.4	43.97
Pennsylvania	32,171.1	151.3	37.13	8,321.5	122.1	29.78	15,269.7	137.7	33.83	25,222.8	149.9	36.71
East North Central	**125,514.6**	**169.8**	**37.38**	**29,785.5**	**123.1**	**28.63**	**101,346.5**	**156.7**	**33.68**	**53,953.6**	**166.8**	**39.48**
Illinois	25,303.8	195.4	41.38	1,616.7	120.3	27.23	16,091.6	216.2	44.67	10,828.9	155.1	34.39
Indiana	30,691.9	148.7	32.06	5,722.5	114.7	25.55	26,156.9	134.8	28.85	10,257.5	163.8	36.61
Michigan	21,787.6	184.2	42.46	6,556.4	148.2	35.28	18,179.8	170.1	36.92	10,164.1	184.0	47.73
Ohio	31,976.4	169.7	40.26	14,032.0	112.8	27.01	26,146.7	142.9	33.89	19,861.8	164.4	39.29
Wisconsin	15,754.9	146.8	28.42	1,857.9	143.1	28.14	14,771.5	141.0	25.95	2,841.3	167.4	41.06
West North Central	**92,047.1**	**116.7**	**20.20**	**7,492.8**	**101.2**	**18.98**	**91,988.4**	**109.2**	**18.51**	**7,551.5**	**171.4**	**39.56**
Iowa	12,427.8	127.0	23.29	1,545.9	96.0	18.33	12,650.9	122.2	21.91	1,322.7	132.9	30.74
Kansas	13,036.0	126.6	22.43	1,762.1	106.0	20.92	13,737.8	121.4	21.30	1,060.3	148.3	34.53
Minnesota	14,818.6	119.8	20.90	632.0	116.8	21.07	15,328.0	118.9	20.71	122.6	189.1	45.79
Missouri	21,521.3	141.4	29.71	2,437.5	107.0	20.31	18,991.9	124.0	25.09	4,966.8	186.1	42.75
Nebraska	6,637.1	85.6	14.77	848.2	72.1	12.29	7,406.3	82.6	14.18	79.0	179.5	44.18
North Dakota	21,591.3	70.4	9.27	122.6	61.6	7.80	21,713.9	70.3	9.26	–	–	–
South Dakota	2,015.0	122.4	15.09	144.5	111.8	19.53	2,159.5	121.4	15.39	–	–	–
South Atlantic	**98,376.9**	**172.9**	**43.14**	**22,599.0**	**138.4**	**34.60**	**51,342.1**	**165.0**	**40.95**	**69,633.9**	**167.5**	**41.98**
Delaware	1,912.8	184.2	47.71	611.8	169.2	43.15	643.5	170.4	43.09	1,881.0	184.0	47.81
District of Columbia	–	–	–	–	–	–	–	–	–	–	–	–
Florida	18,281.7	189.1	46.96	5,488.6	139.9	34.81	9,059.7	176.0	43.98	14,710.5	178.8	44.27
Georgia	21,412.7	179.6	43.58	3,722.5	147.3	36.52	14,699.2	165.6	40.10	10,436.0	187.3	45.95
Maryland	6,880.3	161.2	40.89	1,973.6	145.5	37.41	6,017.9	161.2	40.53	2,835.9	150.3	39.25
North Carolina	15,797.9	180.3	45.32	997.4	134.6	34.06	6,793.4	176.0	44.02	10,001.9	178.6	45.08
South Carolina	6,252.6	186.7	47.42	2,749.3	151.7	38.28	3,673.3	179.5	45.49	5,328.6	173.7	44.03
Virginia	4,573.1	158.1	40.60	2,885.5	150.3	38.31	3,501.9	154.8	39.49	3,956.7	155.4	39.91
West Virginia	23,265.9	151.3	37.88	4,170.4	103.2	25.18	6,953.2	138.8	34.26	20,483.1	145.9	36.52
East South Central	**56,977.7**	**158.9**	**37.74**	**16,890.3**	**113.3**	**27.30**	**37,815.7**	**149.8**	**35.59**	**36,052.3**	**147.0**	**35.11**
Alabama	17,414.0	204.9	49.89	2,480.7	122.6	29.68	11,784.9	195.2	47.64	8,109.8	193.9	46.97
Kentucky	19,013.7	128.7	29.14	10,330.7	104.1	24.79	15,699.1	117.1	27.29	13,645.3	122.8	27.98
Mississippi	3,192.0	192.0	48.73	1,678.3	160.4	40.47	1,818.8	161.4	39.95	3,051.5	192.5	49.42
Tennessee	17,358.0	137.0	32.96	2,400.7	108.7	26.46	8,512.9	141.5	33.27	11,245.8	127.8	31.34
West South Central	**110,644.2**	**149.0**	**22.87**	**6,499.3**	**157.5**	**26.65**	**116,596.1**	**149.4**	**23.00**	**547.5**	**168.0**	**40.53**
Arkansas	11,685.3	159.1	27.69	221.8	118.5	15.83	11,907.1	158.5	27.47	–	–	–
Louisiana	11,123.0	158.4	25.89	954.8	122.9	20.69	11,859.5	154.8	25.09	218.3	179.7	46.38
Oklahoma	12,246.7	148.0	25.88	1,108.6	150.5	32.40	13,355.2	148.2	26.42	–	–	–
Texas	75,589.3	145.8	21.19	4,214.1	169.9	27.06	79,474.2	147.1	21.44	329.2	159.3	36.64
Mountain	**94,910.6**	**110.3**	**21.42**	**2,273.1**	**79.4**	**17.35**	**79,967.5**	**102.9**	**19.32**	**17,216.2**	**134.7**	**30.63**
Arizona	14,121.3	140.5	29.92	–	–	–	14,121.3	140.5	29.92	–	–	–
Colorado	13,449.1	109.7	21.23	1,499.9	81.3	17.27	12,254.7	103.6	19.87	2,694.3	118.8	25.22
Idaho	–	–	–	–	–	–	–	–	–	–	–	–
Montana	10,473.8	54.5	9.29	–	–	–	10,473.8	54.5	9.29	–	–	–
Nevada	7,886.3	136.3	30.21	–	–	–	5,620.3	110.8	24.05	2,266.0	195.3	45.50
New Mexico	14,521.7	117.5	21.24	–	–	–	14,521.7	117.5	21.24	–	–	–
Utah	11,652.7	129.0	29.53	603.2	82.2	20.19	–	–	–	12,255.9	126.5	29.07
Wyoming	22,805.7	84.3	14.76	170.0	45.7	7.95	22,975.7	84.0	14.71	–	–	–
Pacific	**5,362.8**	**159.1**	**26.11**	**492.8**	**105.7**	**17.70**	**5,855.6**	**154.5**	**25.41**	–	–	–
California	–	–	–	–	–	–	–	–	–	–	–	–
Oregon	213.8	138.9	23.70	20.8	140.0	23.73	234.6	139.0	23.70	–	–	–
Washington	5,149.0	160.0	26.21	472.0	104.2	17.43	5,621.0	155.2	25.48	–	–	–
Pacific Noncontiguous	–	–	–	–	–	–	–	–	–	–	–	–
Alaska	–	–	–	–	–	–	–	–	–	–	–	–
Hawaii	–	–	–	–	–	–	–	–	–	–	–	–
Total	**627,779.1**	**150.3**	**30.86**	**99,996.3**	**126.3**	**29.30**	**505,568.4**	**139.2**	**27.03**	**222,207.0**	**160.0**	**38.87**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 40. Average Cost of Coal by Census Division and State, 1984-1988

Census Division and State	1988	1987	1986	1985	1984	1988	1987	1986	1985	1984
	(cents per million Btu)					(dollars per short ton)				
New England	**173.2**	**178.1**	**188.4**	**202.8**	**210.7**	**45.59**	**46.95**	**49.92**	**53.98**	**56.05**
Connecticut	228.6	242.0	227.1	234.9	225.6	60.07	63.56	59.83	61.81	59.26
Maine	–	–	–	–	–	–	–	–	–	–
Massachusetts	161.2	161.4	177.8	197.2	213.6	42.25	42.37	47.00	52.37	56.53
New Hampshire	177.7	191.8	199.0	200.9	200.2	47.38	51.47	53.51	54.05	54.20
Rhode Island	–	–	–	–	–	–	–	–	–	–
Vermont	–	–	–	–	–	–	–	–	–	–
Middle Atlantic	**148.8**	**147.6**	**153.1**	**161.1**	**164.5**	**36.92**	**36.61**	**37.90**	**39.83**	**40.66**
New Jersey	171.7	176.8	180.8	192.1	196.9	45.75	46.80	47.84	50.87	52.02
New York	158.1	154.3	164.9	172.0	180.1	40.52	39.46	41.96	43.35	45.21
Pennsylvania	145.3	144.3	149.3	156.2	159.2	35.62	35.43	36.65	38.26	39.04
East North Central	**160.4**	**164.2**	**174.6**	**180.7**	**177.3**	**35.70**	**36.62**	**38.69**	**39.89**	**39.34**
Illinois	190.6	200.0	212.2	217.5	198.8	40.53	42.80	44.71	45.60	42.12
Indiana	143.2	146.7	157.8	164.2	161.0	31.03	31.93	33.70	35.00	34.74
Michigan	175.7	175.3	181.2	187.9	191.4	40.80	40.55	42.48	43.96	44.66
Ohio	152.2	156.0	162.9	169.4	171.5	36.22	37.15	38.80	40.02	40.34
Wisconsin	146.4	147.2	162.4	170.6	171.7	28.39	28.35	31.37	33.35	34.18
West North Central	**115.4**	**120.5**	**127.7**	**133.9**	**138.5**	**20.11**	**21.23**	**22.41**	**23.44**	**24.69**
Iowa	123.5	124.6	137.2	147.5	152.7	22.74	22.81	25.20	26.85	27.39
Kansas	123.9	126.7	131.9	140.1	150.4	22.25	22.22	23.02	24.58	26.44
Minnesota	119.6	120.6	136.0	142.8	136.8	20.91	21.09	23.74	24.92	23.74
Missouri	138.2	141.3	146.6	150.2	149.5	28.75	29.96	31.35	31.98	32.02
Nebraska	84.1	94.5	104.0	111.4	128.2	14.49	16.26	18.12	19.27	22.81
North Dakota	70.3	79.3	82.1	88.1	87.2	9.26	10.46	10.81	11.59	11.37
South Dakota	121.4	123.4	124.1	118.4	119.9	15.39	14.95	15.10	14.45	14.63
South Atlantic	**166.5**	**166.5**	**174.0**	**185.5**	**186.7**	**41.54**	**41.50**	**43.26**	**45.98**	**46.16**
Delaware	180.6	181.1	191.4	191.0	197.2	46.60	47.33	49.75	49.52	51.23
District of Columbia	–	–	–	–	–	–	–	–	–	–
Florida	177.7	181.4	192.9	212.1	216.7	44.16	44.98	47.36	51.86	52.99
Georgia	174.7	178.9	180.9	187.8	192.7	42.53	43.56	43.95	45.53	46.73
Maryland	157.6	157.7	166.6	174.6	179.4	40.12	39.97	42.28	44.21	45.28
North Carolina	177.5	179.0	184.8	197.6	194.9	44.65	44.92	46.40	49.34	48.62
South Carolina	176.0	174.0	182.5	190.9	196.6	44.63	44.01	46.23	47.98	49.26
Virginia	155.1	158.1	170.6	180.2	182.9	39.72	40.52	43.86	46.18	46.16
West Virginia	144.1	142.2	149.7	160.3	162.7	35.95	35.38	37.25	39.81	40.14
East South Central	**148.4**	**151.2**	**158.4**	**170.3**	**172.0**	**35.36**	**35.95**	**37.59**	**40.04**	**40.38**
Alabama	194.7	192.4	191.0	202.0	203.8	47.37	47.04	46.51	48.71	49.04
Kentucky	119.8	125.8	133.8	141.1	146.8	27.61	28.94	30.84	32.14	33.58
Mississippi	181.2	195.5	229.4	253.6	243.0	45.88	49.56	56.11	61.52	58.88
Tennessee	133.5	136.7	141.9	153.6	162.2	32.17	32.74	33.79	36.34	38.30
West South Central	**149.5**	**156.2**	**158.7**	**165.5**	**175.2**	**23.08**	**23.92**	**24.38**	**25.72**	**27.07**
Arkansas	158.5	155.2	156.3	157.8	181.1	27.47	26.94	27.10	27.15	31.11
Louisiana	155.5	164.4	179.4	218.9	226.2	25.48	26.84	29.14	37.00	38.48
Oklahoma	148.2	155.7	163.7	167.9	173.2	26.42	27.56	28.36	28.82	29.80
Texas	147.2	155.2	154.9	159.3	167.5	21.50	22.48	22.59	23.59	24.55
Mountain	**109.5**	**112.1**	**115.7**	**115.2**	**109.0**	**21.32**	**22.01**	**22.47**	**22.44**	**21.03**
Arizona	140.5	129.9	136.4	130.6	121.1	29.92	27.56	28.70	27.41	25.66
Colorado	106.6	111.8	117.5	115.3	113.4	20.84	22.01	22.86	22.49	21.90
Idaho	–	–	–	–	–	–	–	–	–	–
Montana	54.5	64.8	67.4	70.7	73.6	9.29	11.12	11.53	12.23	12.53
Nevada	136.3	139.9	139.1	161.8	133.1	30.21	31.28	31.23	36.84	29.80
New Mexico	117.5	120.8	113.3	109.2	93.4	21.24	21.87	20.64	20.06	16.88
Utah	126.5	125.2	140.7	137.0	134.1	29.07	29.09	32.32	32.34	30.64
Wyoming	84.0	87.0	92.2	91.9	96.3	14.71	15.27	16.06	16.10	16.66
Pacific	**154.5**	**164.9**	**168.6**	**165.7**	**177.3**	**25.41**	**26.82**	**27.31**	**26.85**	**29.13**
California	–	–	–	–	229.4	–	–	–	–	52.26
Oregon	139.0	140.2	–	199.7	199.6	23.70	23.78	–	33.12	33.24
Washington	155.2	167.1	168.6	165.3	172.5	25.48	27.08	27.31	26.78	27.95
Noncontiguous	–	–	–	–	–	–	–	–	–	–
Alaska	–	–	–	–	–	–	–	–	–	–
Hawaii	–	–	–	–	–	–	–	–	–	–
Total	**146.6**	**150.6**	**157.9**	**164.8**	**166.4**	**30.64**	**31.83**	**33.30**	**34.53**	**35.12**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 41. Receipts and Average Cost of Petroleum by Census Division and State, 1988

Census Division and State	Cost of No. 6 Fuel Oil by Type of Purchase						Average Cost of Petroleum Products					
	Contract Purchases			Spot Purchases			No. 2 Fuel Oil		No. 4, No. 5 Fuel Oil		No. 6 Fuel Oil	
	Quantity (1,000 bbls)	(cents per 10^6 Btu)	($ per bbl)	Quantity (1,000 bbls)	(cents per 10^6 Btu)	($ per bbl)	(cents per 10^6 Btu)	($ per bbl)	(cents per 10^6 Btu)	($ per bbl)	(cents per 10^6 Btu)	($ per bbl)
New England	**46,499.4**	**228.2**	**14.42**	**13,472.4**	**223.8**	**14.14**	**370.7**	**21.49**	-	-	**227.2**	**14.36**
Connecticut	17,149.9	240.7	15.18	1,324.0	222.8	14.02	363.5	21.01	-	-	239.5	15.10
Maine	5,107.8	234.9	14.71	-	-	-	443.0	25.85	-	-	234.9	14.71
Massachusetts	19,725.2	225.4	14.21	10,134.1	226.0	14.26	362.9	21.05	-	-	225.6	14.23
New Hampshire	4,516.5	186.2	12.11	598.6	187.7	12.04	367.5	21.31	-	-	186.4	12.10
Rhode Island	-	-	-	1,415.7	224.6	14.24	-	-	-	-	224.6	14.24
Vermont	-	-	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**63,145.7**	**248.8**	**15.65**	**23,128.8**	**245.0**	**15.38**	**359.9**	**21.04**	**304.6**	**18.47**	**247.8**	**15.56**
New Jersey	10,258.2	255.5	15.87	3,383.2	237.7	14.88	353.3	20.20	-	-	251.0	15.62
New York	44,940.5	249.0	15.68	18,022.6	247.9	15.56	397.3	23.03	304.6	18.47	248.7	15.65
Pennsylvania	7,947.0	239.1	15.14	1,723.0	228.6	14.52	356.5	20.87	-	-	237.2	15.03
East North Central	**1,401.8**	**294.9**	**18.71**	**2,351.0**	**260.6**	**16.21**	**369.1**	**21.39**	-	-	**273.5**	**17.14**
Illinois	1,401.8	294.9	18.71	-	-	-	377.2	21.90	-	-	294.9	18.71
Indiana	-	-	-	-	-	-	363.4	20.93	-	-	-	-
Michigan	-	-	-	1,964.0	263.7	16.32	358.8	20.93	-	-	263.7	16.32
Ohio	-	-	-	387.0	244.9	15.64	377.3	21.80	-	-	244.9	15.64
Wisconsin	-	-	-	-	-	-	364.5	21.07	-	-	-	-
West North Central	**187.0**	**185.4**	**11.95**	**187.7**	**227.5**	**14.35**	**360.1**	**20.91**	-	-	**206.3**	**13.16**
Iowa	-	-	-	-	-	-	372.1	21.51	-	-	-	-
Kansas	-	-	-	45.0	273.4	17.05	343.3	20.00	-	-	273.4	17.05
Minnesota	-	-	-	-	-	-	369.2	21.29	-	-	-	-
Missouri	187.0	185.4	11.95	45.4	173.0	11.09	355.2	20.67	-	-	183.0	11.78
Nebraska	-	-	-	93.8	233.8	14.73	346.7	20.10	-	-	233.8	14.73
North Dakota	-	-	-	3.5	193.2	11.93	380.5	22.00	-	-	193.2	11.93
South Dakota	-	-	-	-	-	-	401.7	23.62	-	-	-	-
South Atlantic	**34,355.9**	**223.2**	**14.18**	**16,677.8**	**220.4**	**13.99**	**357.4**	**20.82**	**277.6**	**16.75**	**222.3**	**14.11**
Delaware	2,166.4	222.3	14.17	1,679.6	234.1	14.66	350.6	19.90	-	-	227.5	14.48
District of Columbia	-	-	-	-	-	-	347.4	20.25	277.6	16.75	-	-
Florida	25,011.6	220.8	14.06	13,564.3	217.9	13.84	354.1	20.73	-	-	219.8	13.98
Georgia	-	-	-	172.6	223.7	13.94	339.3	19.66	-	-	223.7	13.94
Maryland	5,155.0	232.6	14.72	293.3	230.2	14.57	348.7	20.31	-	-	232.5	14.71
North Carolina	-	-	-	-	-	-	348.5	20.25	-	-	-	-
South Carolina	-	-	-	-	-	-	373.6	21.72	-	-	-	-
Virginia	2,023.0	230.9	14.29	968.0	228.5	14.24	338.4	19.87	-	-	230.1	14.27
West Virginia	-	-	-	-	-	-	395.8	23.23	-	-	-	-
East South Central	**405.1**	**279.3**	**17.71**	**619.4**	**343.6**	**21.76**	**385.9**	**22.39**	**74.4**	**4.20**	**318.2**	**20.16**
Alabama	-	-	-	-	-	-	366.8	21.01	-	-	-	-
Kentucky	-	-	-	-	-	-	384.5	22.45	-	-	-	-
Mississippi	405.1	279.3	17.71	619.4	343.6	21.76	498.9	29.03	74.4	4.20	318.2	20.16
Tennessee	-	-	-	-	-	-	350.9	20.39	-	-	-	-
West South Central	**348.7**	**356.1**	**22.55**	**353.9**	**227.6**	**14.45**	**401.1**	**23.43**	**388.5**	**24.15**	**291.3**	**18.47**
Arkansas	135.5	381.0	24.00	-	-	-	511.9	29.59	-	-	381.0	24.00
Louisiana	213.1	340.4	21.62	114.3	218.1	13.64	442.4	26.23	-	-	298.1	18.84
Oklahoma	-	-	-	135.5	250.2	16.10	341.5	19.74	-	-	250.2	16.10
Texas	-	-	-	104.0	208.2	13.20	343.2	19.97	388.5	24.15	208.2	13.20
Mountain	**5.9**	**196.5**	**11.97**	**974.1**	**239.8**	**14.98**	**407.2**	**23.78**	**163.6**	**9.96**	**239.6**	**14.96**
Arizona	-	-	-	20.9	247.0	15.40	426.5	24.99	-	-	247.0	15.40
Colorado	-	-	-	.3	280.4	18.61	387.5	22.22	-	-	280.4	18.61
Idaho	-	-	-	-	-	-	-	-	-	-	-	-
Montana	-	-	-	-	-	-	403.3	23.88	-	-	-	-
Nevada	-	-	-	952.9	239.7	14.97	404.8	23.45	-	-	239.7	14.97
New Mexico	5.9	196.5	11.97	-	-	-	421.7	24.09	163.6	9.96	196.5	11.97
Utah	-	-	-	-	-	-	398.4	23.43	-	-	-	-
Wyoming	-	-	-	-	-	-	379.7	22.22	-	-	-	-
Pacific	**6,872.4**	**270.6**	**16.57**	**8,094.1**	**261.8**	**16.14**	**403.2**	**23.87**	-	-	**265.8**	**16.34**
California	6,872.4	270.6	16.57	8,094.1	261.8	16.14	-	-	-	-	265.8	16.34
Oregon	-	-	-	-	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	403.2	23.87	-	-	-	-
Pacific Noncontiguous	**9,992.8**	**286.7**	**17.96**	-	-	-	**381.8**	**22.09**	-	-	**286.7**	**17.96**
Alaska	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	9,992.8	286.7	17.96	-	-	-	381.8	22.00	-	-	286.7	17.96
Total	**163,214.7**	**241.3**	**15.21**	**65,859.3**	**237.7**	**14.94**	**371.2**	**21.61**	**289.5**	**17.54**	**240.2**	**15.13**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 42. Average Cost of Petroleum by Census Division and State, 1984-1988

Census Division and State	1988	1987	1986	1985	1984	1988	1987	1986	1985	1984
	(cents per million Btu)					(dollars per barrel)				
New England	227.5	278.9	230.6	404.1	468.8	14.37	17.72	14.59	25.58	29.53
Connecticut	239.7	293.6	250.8	424.2	484.5	15.11	18.50	15.75	26.68	30.39
Maine	235.3	293.7	239.3	422.4	496.6	14.74	18.58	15.06	26.71	31.25
Massachusetts	225.9	271.5	223.8	391.6	458.4	14.25	17.28	14.16	24.83	28.85
New Hampshire	186.9	258.7	191.7	363.6	430.6	12.13	16.93	12.46	23.82	27.95
Rhode Island	224.6	267.8	237.1	403.3	464.7	14.24	17.00	15.04	25.56	29.43
Vermont	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	248.9	306.7	246.2	431.6	482.6	15.63	19.25	15.39	27.00	30.16
New Jersey	251.2	312.2	238.0	441.6	493.1	15.63	19.44	14.73	27.35	30.52
New York	248.9	306.1	247.0	426.1	476.8	15.66	19.23	15.48	26.74	29.88
Pennsylvania	245.8	305.5	250.0	440.9	489.8	15.48	19.17	15.63	27.53	30.62
East North Central	301.8	361.2	402.3	582.8	600.1	18.47	22.31	24.70	35.84	37.31
Illinois	312.0	361.6	504.2	602.9	620.6	19.42	22.75	31.60	36.09	39.34
Indiana	363.4	412.2	369.0	586.9	604.9	20.93	23.77	22.48	33.84	34.80
Michigan	279.9	337.5	277.4	524.9	513.1	17.14	20.42	16.96	31.17	31.12
Ohio	311.7	395.7	353.0	561.6	620.0	18.90	23.18	20.73	33.36	36.81
Wisconsin	364.5	396.8	359.6	548.1	594.4	21.07	23.01	20.86	31.88	34.51
West North Central	276.9	322.8	290.7	499.3	541.1	16.90	19.63	18.09	30.13	32.70
Iowa	372.1	405.7	362.5	593.0	609.7	21.51	23.63	21.11	34.49	35.24
Kansas	318.6	387.0	335.7	554.8	559.5	19.01	22.46	19.54	32.30	33.92
Minnesota	369.2	446.6	391.2	597.4	621.7	21.29	25.84	22.56	34.65	36.11
Missouri	237.0	279.6	259.9	435.8	497.7	14.77	17.45	16.12	27.22	30.76
Nebraska	241.7	250.2	259.1	588.7	604.0	15.14	15.60	16.10	34.15	35.04
North Dakota	362.1	388.1	364.5	548.8	584.9	21.07	22.69	21.21	31.84	34.20
South Dakota	401.7	434.3	368.0	580.9	604.2	23.62	25.54	21.64	34.16	35.02
South Atlantic	227.7	298.1	221.7	408.2	471.3	14.40	19.22	13.98	25.70	29.69
Delaware	232.1	278.7	233.2	417.7	473.2	14.71	17.60	14.64	26.30	29.82
District of Columbia	278.9	354.8	273.4	494.5	542.2	16.82	21.28	16.46	29.66	32.52
Florida	221.3	292.2	216.9	391.6	464.4	14.07	19.16	13.74	24.82	29.36
Georgia	283.6	344.9	231.8	548.2	578.5	17.02	20.68	14.12	31.92	33.71
Maryland	236.1	311.4	237.8	418.2	478.9	14.90	19.43	14.83	26.23	30.11
North Carolina	348.5	390.8	348.3	568.1	591.4	20.25	22.67	20.24	33.01	34.19
South Carolina	373.6	400.0	363.7	573.4	593.9	21.72	23.29	21.14	33.39	34.85
Virginia	236.3	309.3	215.6	452.1	473.7	14.61	19.13	13.37	28.04	29.68
West Virginia	395.8	436.1	370.7	600.0	622.2	23.23	25.53	21.70	35.19	36.42
East South Central	340.3	359.5	242.8	561.6	581.3	20.93	21.26	15.01	33.10	34.13
Alabama	366.8	403.1	349.1	599.6	615.4	21.01	23.38	20.27	34.88	35.85
Kentucky	384.6	407.3	350.3	580.2	613.3	22.46	23.78	20.42	33.83	35.67
Mississippi	327.7	237.6	213.0	472.1	442.6	20.67	14.72	13.40	29.04	27.04
Tennessee	350.9	392.8	336.8	585.1	611.3	20.39	22.82	19.57	33.95	35.58
West South Central	345.5	366.3	256.6	531.3	570.7	21.14	21.56	15.45	31.58	34.17
Arkansas	435.4	386.0	406.7	571.0	639.0	26.44	22.20	23.65	33.14	36.91
Louisiana	347.6	340.5	161.9	512.5	475.1	21.48	20.45	10.16	31.18	29.06
Oklahoma	268.2	391.2	289.6	553.5	584.5	16.88	22.56	16.75	31.79	33.81
Texas	329.1	363.7	272.5	528.8	574.4	19.83	21.50	16.28	31.45	34.46
Mountain	289.4	334.5	308.6	595.0	596.5	17.68	20.10	18.50	34.92	35.20
Arizona	407.0	426.2	362.3	621.7	607.9	24.01	24.82	21.41	36.61	36.03
Colorado	384.6	386.3	336.8	591.0	537.9	22.14	22.18	19.43	33.94	31.82
Idaho	-	-	-	-	-	-	-	-	-	-
Montana	403.3	410.7	428.3	610.6	579.8	23.88	24.32	25.37	36.16	34.34
Nevada	244.8	245.0	210.9	612.1	594.1	15.25	15.25	13.10	35.49	34.30
New Mexico	308.0	357.0	286.1	521.7	541.7	18.10	20.89	16.90	30.83	32.52
Utah	398.4	411.9	361.9	566.8	608.8	23.43	24.26	21.33	33.33	35.80
Wyoming	379.7	409.5	386.9	600.0	636.5	22.22	23.95	22.62	35.06	37.11
Pacific	266.0	282.6	316.5	531.6	597.1	16.35	17.70	19.52	32.88	36.76
California	265.8	282.0	316.6	531.3	597.1	16.34	17.66	19.53	32.87	36.79
Oregon	-	-	324.2	566.5	574.7	-	-	18.90	33.03	33.37
Washington	403.2	409.8	276.1	571.9	604.3	23.87	24.27	16.35	33.87	35.79
Noncontiguous	286.7	344.6	286.7	485.9	541.8	17.96	21.60	17.94	30.44	34.13
Alaska	-	-	-	-	-	-	-	-	-	-
Hawaii	286.7	344.6	286.7	485.9	541.8	17.96	21.60	17.94	30.44	34.13
Total	243.9	301.1	243.7	431.7	486.3	15.33	19.06	15.30	27.08	30.47

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 43. Receipts and Average Cost of Gas by Census Division and State, 1988

Census Division and State	Receipts and Cost by Type of Purchase											
	Firm Gas			Interruptible Gas			Off-Peak Gas			Total Gas		
	Quantity (1,000 mcf)	(cents per 10^6 Btu)	($ per mcf)	Quantity (1,000 mcf)	(cents per 10^6 Btu)	($ per mcf)	Quantity (1,000 mcf)	(cents per 10^6 Btu)	($ per mcf)	Quantity (1,000 mcf)	(cents per 10^6 Btu)	($ per mcf)
New England	**9,965.4**	**221.9**	**2.29**	**3,798.6**	**222.6**	**2.26**	**1,214.0**	**216.1**	**2.23**	**14,978.0**	**221.6**	**2.28**
Connecticut	-	-	-	46.0	250.5	2.58	1,214.0	216.1	2.23	1,260.0	217.4	2.24
Maine	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	9,965.4	221.9	2.29	3,586.4	222.9	2.26	-	-	-	13,551.8	222.2	2.29
New Hampshire	-	-	-	-	-	-	-	-	-	-	-	-
Rhode Island	-	-	-	166.2	208.6	2.15	-	-	-	166.2	208.6	2.15
Vermont	-	-	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**70,816.4**	**226.1**	**2.33**	**81,414.6**	**225.3**	**2.33**	**24,467.0**	**213.4**	**2.20**	**176,698.0**	**224.0**	**2.31**
New Jersey	-	-	-	34,050.6	224.5	2.32	-	-	-	34,050.6	224.5	2.32
New York	70,816.4	226.1	2.33	46,972.0	225.0	2.32	24,467.0	213.4	2.20	142,255.4	223.6	2.30
Pennsylvania	-	-	-	392.0	333.0	3.45	-	-	-	392.0	333.0	3.45
East North Central	**7,034.5**	**300.8**	**2.43**	**15,181.9**	**290.6**	**1.07**	**-**	**-**	**-**	**22,216.4**	**295.7**	**1.50**
Illinois	1,829.6	366.0	3.73	2,691.4	300.3	3.07	-	-	-	4,521.0	326.9	3.34
Indiana	3,044.2	258.8	2.59	29.9	287.9	2.95	-	-	-	3,074.1	259.1	2.60
Michigan	1,951.9	316.2	.92	11,188.8	233.4	.32	-	-	-	13,140.8	255.5	.41
Ohio	208.8	289.5	2.90	269.2	389.9	3.97	-	-	-	477.9	346.5	3.51
Wisconsin	-	-	-	1,002.5	325.2	3.26	-	-	-	1,002.6	325.2	3.26
West North Central	**1,540.7**	**222.6**	**2.26**	**19,830.3**	**212.3**	**2.11**	**1,108.6**	**169.2**	**1.70**	**22,480.0**	**210.9**	**2.10**
Iowa	358.3	309.9	3.16	3,485.3	191.5	1.93	-	-	-	3,843.6	202.7	2.04
Kansas	1,061.2	197.2	2.01	11,862.2	206.8	2.05	-	-	-	12,923.4	206.0	2.05
Minnesota	-	-	-	2,261.5	212.8	2.13	1,108.6	169.2	1.70	3,370.1	198.4	1.99
Missouri	-	-	-	702.4	277.0	2.75	-	-	-	702.4	277.0	2.75
Nebraska	121.2	185.3	1.85	1,518.3	275.6	2.62	-	-	-	1,639.5	268.6	2.56
North Dakota	-	-	-	1.1	428.6	4.56	-	-	-	1.1	428.6	4.56
South Dakota	-	-	-	-	-	-	-	-	-	-	-	-
South Atlantic	**96,976.7**	**204.9**	**2.05**	**41,882.4**	**228.6**	**2.36**	**-**	**-**	**-**	**138,859.1**	**212.2**	**2.14**
Delaware	485.2	244.3	2.52	819.1	240.9	2.64	-	-	-	1,304.3	242.1	2.59
District of Columbia	-	-	-	-	-	-	-	-	-	-	-	-
Florida	95,823.1	204.4	2.04	34,073.8	225.9	2.33	-	-	-	129,897.0	210.1	2.12
Georgia	147.4	340.3	3.50	1,186.3	265.0	2.71	-	-	-	1,333.7	273.4	2.80
Maryland	521.0	229.1	2.38	3,353.2	264.5	2.76	-	-	-	3,874.2	259.7	2.71
North Carolina	-	-	-	-	-	-	-	-	-	-	-	-
South Carolina	-	-	-	1,664.3	180.6	1.86	-	-	-	1,664.3	180.6	1.86
Virginia	-	-	-	700.0	204.9	2.16	-	-	-	700.0	204.9	2.16
West Virginia	-	-	-	85.7	389.2	3.89	-	-	-	85.7	389.2	3.89
East South Central	**23,366.4**	**186.3**	**1.92**	**6,219.3**	**183.1**	**1.86**	**372.6**	**241.0**	**2.47**	**29,958.4**	**186.3**	**1.91**
Alabama	-	-	-	1,079.8	207.1	2.15	-	-	-	1,079.8	207.1	2.15
Kentucky	27.5	314.1	3.14	-	-	-	372.6	241.0	2.47	400.1	246.0	2.52
Mississippi	23,338.9	186.2	1.92	5,139.5	177.9	1.80	-	-	-	28,478.5	184.7	1.90
Tennessee	-	-	-	-	-	-	-	-	-	-	-	-
West South Central	**1,099,671.6**	**214.9**	**2.22**	**302,462.6**	**182.3**	**1.89**	**-**	**-**	**-**	**1,402,134.1**	**207.8**	**2.15**
Arkansas	3,613.2	81.2	.91	18,363.2	146.7	1.48	-	-	-	21,976.4	135.0	1.39
Louisiana	163,473.0	150.7	1.58	74,432.6	190.4	1.99	-	-	-	237,905.6	163.1	1.70
Oklahoma	149,194.5	283.7	2.95	2,552.1	142.6	1.49	-	-	-	151,746.5	281.3	2.92
Texas	783,390.9	215.9	2.23	207,114.7	182.9	1.90	-	-	-	990,505.6	209.0	2.16
Mountain	**17,089.7**	**230.0**	**2.35**	**28,912.7**	**229.1**	**2.35**	**-**	**-**	**-**	**46,002.4**	**229.4**	**2.35**
Arizona	2,580.0	248.7	2.54	8,598.5	216.9	2.25	-	-	-	11,178.5	224.1	2.32
Colorado	2,171.9	228.1	2.23	3,033.2	229.2	2.27	-	-	-	5,205.1	228.7	2.25
Idaho	-	-	-	-	-	-	-	-	-	-	-	-
Montana	276.0	121.5	1.47	5.1	400.2	4.59	-	-	-	281.1	126.3	1.53
Nevada	-	-	-	9,150.5	271.8	2.79	-	-	-	9,150.5	271.8	2.79
New Mexico	12,061.8	229.2	2.35	7,940.4	189.8	1.95	-	-	-	20,002.1	213.6	2.19
Utah	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming	-	-	-	185.0	367.9	3.78	-	-	-	185.0	367.9	3.78
Pacific	**-**	**-**	**-**	**509,394.2**	**283.1**	**2.93**	**-**	**-**	**-**	**509,394.2**	**283.1**	**2.93**
California	-	-	-	509,394.2	283.1	2.93	-	-	-	509,394.2	283.1	2.93
Oregon	-	-	-	-	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	-	-	-	-	-	-
Pacific Noncontiguous	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Alaska	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-	-	-
Total	**1,326,461.4**	**214.9**	**2.22**	**1,009,097.0**	**241.9**	**2.48**	**27,162.2**	**212.2**	**2.18**	**2,362,720.6**	**226.3**	**2.33**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 44. Average Cost of Gas by Census Division and State, 1984-1988

Census Division and State	1988	1987	1986	1985	1984	1988	1987	1986	1985	1984
	(cents per million Btu)					(dollars per Mcf)				
New England	**221.6**	**238.3**	**225.7**	**340.8**	**400.5**	**2.26**	**2.45**	**2.32**	**3.54**	**4.22**
Connecticut	217.4	236.6	208.9	338.7	370.5	2.24	2.44	2.16	3.49	3.81
Maine	-	-	-	-	-	-	-	-	-	-
Massachusetts	222.2	239.9	226.9	341.2	404.2	2.29	2.46	2.33	3.54	4.29
New Hampshire	-	-	-	-	391.4	-	-	-	-	4.02
Rhode Island	208.6	231.8	-	336.8	391.1	2.15	2.39	-	3.46	4.03
Vermont	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**224.0**	**246.8**	**228.3**	**358.6**	**409.8**	**2.31**	**2.54**	**2.36**	**3.72**	**4.23**
New Jersey	224.5	255.0	250.9	396.5	434.0	2.32	2.63	2.60	4.15	4.50
New York	223.6	244.1	223.9	348.2	399.1	2.30	2.51	2.32	3.61	4.12
Pennsylvania	333.0	334.9	360.6	508.4	453.4	3.45	3.45	3.70	5.08	4.53
East North Central	**295.7**	**313.6**	**423.3**	**477.4**	**462.5**	**1.50**	**1.88**	**2.70**	**3.56**	**3.88**
Illinois	326.9	365.6	462.1	519.0	487.2	3.34	3.75	4.74	5.33	5.02
Indiana	259.1	282.2	453.6	415.2	412.9	2.60	2.84	4.56	4.17	4.14
Michigan	255.5	276.3	363.7	442.8	454.5	.41	1.12	1.26	2.04	2.69
Ohio	346.5	304.4	466.9	508.6	516.6	3.51	3.07	4.75	5.16	5.24
Wisconsin	325.2	392.0	373.5	411.1	404.8	3.26	3.89	3.75	4.11	4.02
West North Central	**210.9**	**221.7**	**269.2**	**303.1**	**331.0**	**2.10**	**2.20**	**2.63**	**2.95**	**3.24**
Iowa	202.7	215.4	341.8	361.0	368.7	2.04	2.17	3.48	3.69	3.82
Kansas	206.0	217.5	250.0	288.4	322.1	2.05	2.15	2.42	2.79	3.14
Minnesota	198.4	207.5	295.4	369.3	373.2	1.99	2.07	2.05	3.70	3.74
Missouri	277.0	296.1	292.3	330.9	393.2	2.75	2.93	2.87	3.28	3.92
Nebraska	268.6	256.3	320.9	358.4	340.1	2.56	2.50	3.11	3.43	3.23
North Dakota	428.6	443.4	-	-	-	4.56	4.75	-	-	-
South Dakota	-	-	-	-	-	-	-	-	-	-
South Atlantic	**212.2**	**271.6**	**208.3**	**329.2**	**338.8**	**2.14**	**2.75**	**2.10**	**3.33**	**3.43**
Delaware	242.1	274.5	253.2	388.0	444.0	2.59	2.84	2.65	4.03	4.61
District of Columbia	-	-	-	-	-	-	-	-	-	-
Florida	210.1	271.4	207.6	324.9	331.5	2.12	2.73	2.09	3.29	3.35
Georgia	273.4	371.5	200.4	430.5	443.7	2.80	3.80	2.05	4.41	4.54
Maryland	259.7	268.1	274.0	-	-	2.71	2.80	2.90	-	-
North Carolina	-	-	-	-	-	-	-	-	-	-
South Carolina	180.6	334.5	203.1	454.4	445.8	1.86	3.44	2.08	4.68	4.58
Virginia	204.9	242.3	192.9	343.8	422.6	2.16	2.52	2.03	3.57	4.39
West Virginia	389.2	393.6	402.6	477.5	501.6	3.89	3.94	4.03	4.77	5.02
East South Central	**186.3**	**186.5**	**232.4**	**281.8**	**289.8**	**1.91**	**1.92**	**2.41**	**2.93**	**2.98**
Alabama	207.1	210.2	247.0	317.2	325.9	2.15	2.22	2.69	3.48	3.66
Kentucky	246.0	278.1	296.6	354.0	359.8	2.52	2.84	3.03	3.63	3.68
Mississippi	184.7	185.1	231.5	279.5	287.5	1.90	1.90	2.40	2.90	2.95
Tennessee	-	-	-	-	-	-	-	-	-	-
West South Central	**207.8**	**204.1**	**223.3**	**305.4**	**309.4**	**2.15**	**2.12**	**2.32**	**3.17**	**3.20**
Arkansas	135.0	152.2	155.9	282.3	337.3	1.39	1.57	1.64	2.98	3.50
Louisiana	163.1	160.0	185.5	273.2	303.7	1.70	1.67	1.94	2.86	3.18
Oklahoma	281.3	267.4	268.3	295.1	264.6	2.92	2.78	2.79	3.08	2.75
Texas	209.0	206.3	227.0	314.9	317.5	2.16	2.14	2.35	3.26	3.27
Mountain	**229.4**	**231.3**	**265.3**	**365.0**	**380.3**	**2.35**	**2.38**	**2.98**	**3.79**	**3.89**
Arizona	224.1	220.3	235.3	374.4	400.5	2.32	2.28	2.46	3.97	4.21
Colorado	228.7	228.6	300.2	353.0	374.6	2.25	2.26	2.98	3.49	3.70
Idaho	-	-	-	-	-	-	-	-	-	-
Montana	126.3	91.9	85.6	59.2	66.2	1.53	1.11	1.03	.71	.78
Nevada	271.8	258.0	303.6	407.1	433.0	2.79	2.67	3.20	4.33	4.59
New Mexico	213.6	235.8	331.0	347.7	353.1	2.19	2.42	3.45	3.52	3.52
Utah	-	507.4	509.9	412.2	372.3	-	5.47	5.54	4.43	3.83
Wyoming	367.9	326.1	380.4	433.3	510.8	3.78	3.32	3.89	4.54	5.35
Pacific	**283.1**	**250.1**	**281.0**	**447.0**	**508.7**	**2.93**	**2.59**	**2.94**	**4.70**	**5.34**
California	283.1	250.1	281.0	447.0	508.7	2.93	2.59	2.94	4.70	5.34
Oregon	-	-	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	-	-	-	-
Noncontiguous	-	-	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-
Total	**226.3**	**224.0**	**235.1**	**344.4**	**360.3**	**2.33**	**2.31**	**2.43**	**3.58**	**3.73**

Notes: • Data for 1984 through 1987 have been revised to reflect the elimination of data for gas turbine units. • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 45. Receipts and Average Cost of Coal by Sulfur Content, Census Division and State, 1988

Census Division and State	0.5% or Less			More than 0.5% up to 1.0%			More than 1.0% up to 1.5%		
	Quantity (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)	Quantity (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)	Quantity (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)
New England	**315.0**	**235.8**	**61.92**	**639.9**	**211.2**	**55.43**	**4,206.8**	**162.5**	**42.61**
Connecticut	315.0	235.8	61.92	515.0	224.2	58.94	-	-	-
Maine	-	-	-	-	-	-	-	-	-
Massachusetts	-	-	-	124.9	157.1	40.96	4,031.8	161.4	42.34
New Hampshire	-	-	-	-	-	-	175.0	186.3	49.02
Rhode Island	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Middle Atlantic	**282.1**	**160.0**	**33.66**	**5,060.6**	**167.4**	**42.30**	**7,165.1**	**145.1**	**35.98**
New Jersey	-	-	-	1,734.5	172.2	46.17	127.3	170.7	45.04
New York	132.1	202.2	52.93	1,442.4	190.8	48.87	802.3	151.0	37.59
Pennsylvania	150.0	101.1	16.70	1,883.6	142.9	33.70	6,235.6	143.8	35.59
East North Central	**32,188.3**	**184.0**	**33.55**	**31,067.5**	**175.6**	**42.67**	**14,562.0**	**162.1**	**38.55**
Illinois	7,835.0	283.0	54.17	3,238.6	191.4	45.02	644.8	154.0	36.27
Indiana	4,858.2	177.2	30.50	2,381.7	178.9	43.45	3,532.0	155.4	33.99
Michigan	9,676.9	156.9	29.79	15,462.5	187.2	47.50	2,775.8	160.9	41.88
Ohio	73.0	196.7	51.76	7,638.2	147.2	35.72	6,444.4	166.1	39.52
Wisconsin	9,745.2	128.3	22.08	2,346.5	159.4	29.35	1,165.0	166.4	40.37
West North Central	**41,255.0**	**106.2**	**18.14**	**38,071.1**	**103.2**	**15.90**	**3,541.7**	**180.4**	**36.84**
Iowa	10,142.8	114.2	19.22	1,119.9	147.1	33.04	63.0	140.8	31.20
Kansas	11,730.0	120.3	20.33	1,448.7	127.8	28.00	-	-	-
Minnesota	5,225.0	108.9	19.21	10,031.1	123.9	21.41	38.7	201.4	46.66
Missouri	6,777.2	94.5	16.41	2,571.0	159.9	33.91	2,361.8	203.3	47.88
Nebraska	7,322.0	81.9	14.03	163.3	159.1	35.44	-	-	-
North Dakota	36.6	94.3	12.05	20,972.1	69.9	9.19	705.2	81.2	11.21
South Dakota	21.5	114.1	21.52	1,765.0	121.5	15.38	373.0	121.6	15.08
South Atlantic	**219.6**	**141.7**	**37.69**	**43,677.1**	**172.7**	**43.49**	**31,267.3**	**173.8**	**43.68**
Delaware	7.5	165.2	47.84	1,679.5	187.4	48.63	10.1	159.1	39.47
District of Columbia	-	-	-	-	-	-	-	-	-
Florida	197.1	139.2	37.16	7,656.9	179.6	45.60	4,615.5	196.4	49.98
Georgia	-	-	-	4,276.8	198.0	49.91	8,426.9	166.5	41.01
Maryland	15.0	153.5	39.69	2,661.0	155.7	39.97	1,075.9	147.6	37.49
North Carolina	-	-	-	11,039.5	176.8	44.00	5,704.0	179.0	45.94
South Carolina	-	-	-	1,673.0	164.1	41.46	6,337.4	180.3	45.71
Virginia	-	-	-	5,461.9	155.4	39.67	1,824.7	154.5	39.89
West Virginia	-	-	-	9,228.5	164.3	40.89	3,072.9	154.0	37.16
East South Central	**186.9**	**234.6**	**58.93**	**19,976.6**	**175.6**	**43.16**	**8,160.6**	**144.5**	**35.57**
Alabama	183.9	236.6	59.54	7,683.6	204.5	49.85	2,684.4	190.1	46.72
Kentucky	3.0	97.1	21.58	6,708.7	133.3	32.87	2,459.2	126.7	30.10
Mississippi	-	-	-	3,055.6	191.2	49.22	-	-	-
Tennessee	-	-	-	2,528.7	181.2	42.85	3,017.0	118.8	30.10
West South Central	**61,560.4**	**169.5**	**29.24**	**39,724.6**	**116.5**	**16.25**	**11,583.9**	**148.6**	**18.25**
Arkansas	9,168.2	155.9	27.18	2,738.9	167.7	28.45	-	-	-
Louisiana	5,952.3	149.9	25.27	6,125.5	161.2	25.68	-	-	-
Oklahoma	11,883.4	147.2	25.59	1,056.2	162.8	31.73	263.8	156.5	40.93
Texas	34,556.5	184.2	31.72	29,804.1	96.8	12.65	11,320.1	148.1	17.72
Mountain	**47,168.4**	**113.2**	**22.58**	**49,976.1**	**105.9**	**20.17**	**39.2**	**86.9**	**15.56**
Arizona	10,133.7	144.0	30.65	3,967.6	131.6	28.08	-	-	-
Colorado	14,581.9	106.5	20.78	350.7	110.6	23.19	16.4	108.3	21.64
Idaho	-	-	-	-	-	-	-	-	-
Montana	37.4	127.3	16.69	10,436.4	54.3	9.27	-	-	-
Nevada	3,719.6	141.7	31.18	4,166.7	131.6	29.35	-	-	-
New Mexico	-	-	-	14,521.7	117.5	21.24	-	-	-
Utah	7,726.9	120.6	27.38	4,529.0	136.3	31.96	-	-	-
Wyoming	10,968.9	67.1	11.13	11,984.0	98.0	17.99	22.8	68.2	11.18
Pacific	**681.6**	**130.8**	**23.00**	**5,174.0**	**157.9**	**25.72**	-	-	-
California	-	-	-	-	-	-	-	-	-
Oregon	234.6	139.0	23.70	-	-	-	-	-	-
Washington	447.0	126.8	22.63	5,174.0	157.9	25.72	-	-	-
Pacific Noncontiguous	-	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-
Total	**183,857.2**	**142.8**	**25.87**	**233,367.5**	**144.2**	**26.83**	**80,526.6**	**163.2**	**37.22**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 45. Receipts and Average Cost of Coal by Sulfur Content, Census Division and State, 1988 (Continued)

Census Division and State	More than 1.5% up to 2.0%			More than 2.0% up to 3.0%			More than 3.0%			All Purchases	
	Quantity (1,000 short tons)	(cents per 10⁶ Btu)	($ per short ton)	Quantity (1,000 short tons)	(cents per 10⁶ Btu)	($ per short ton)	Quantity (1,000 short tons)	(cents per 10⁶ Btu)	($ per short ton)	(cents per 10⁶ Btu)	($ per short ton)
New England	**174.5**	**161.8**	**42.63**	**1,040.8**	**176.3**	**47.11**	–	–	–	**173.2**	**45.59**
Connecticut	–	–	–	–	–	–	–	–	–	228.6	60.07
Maine	–	–	–	–	–	–	–	–	–	–	–
Massachusetts	128.7	156.1	40.93	–	–	–	–	–	–	161.2	42.25
New Hampshire	45.8	177.7	47.39	1,040.8	176.3	47.11	–	–	–	177.7	47.38
Rhode Island	–	–	–	–	–	–	–	–	–	–	–
Vermont	–	–	–	–	–	–	–	–	–	–	–
Middle Atlantic	**15,538.7**	**146.3**	**36.36**	**17,807.7**	**147.7**	**33.79**	**5,677.4**	**147.1**	**35.45**	**148.8**	**36.92**
New Jersey	22.0	168.3	43.58	593.0	170.6	44.77	–	–	–	171.7	45.75
New York	3,228.5	149.9	38.46	2,957.0	151.1	38.94	–	–	–	158.1	40.52
Pennsylvania	12,288.2	145.2	35.80	14,257.7	145.9	36.01	5,677.4	147.1	35.45	145.3	35.62
East North Central	**8,124.7**	**142.8**	**34.44**	**33,455.2**	**141.1**	**31.98**	**35,902.3**	**150.8**	**34.18**	**160.4**	**35.70**
Illinois	887.8	137.3	31.50	8,907.9	147.4	32.37	5,406.4	157.2	33.52	190.6	40.53
Indiana	1,196.7	116.5	26.35	11,484.4	130.6	28.99	12,961.4	136.6	30.39	143.2	31.03
Michigan	17.0	134.5	33.37	291.7	171.2	40.03	120.0	182.0	41.57	175.7	40.80
Ohio	3,874.7	136.9	33.76	10,713.7	142.0	33.74	17,264.4	159.1	37.23	152.2	36.22
Wisconsin	2,148.6	169.1	41.41	2,057.4	163.2	36.73	150.1	130.0	28.74	146.4	28.39
West North Central	**671.8**	**136.2**	**31.30**	**5,279.6**	**155.1**	**35.46**	**10,720.8**	**132.2**	**28.85**	**115.4**	**20.11**
Iowa	326.8	124.4	28.68	1,995.1	137.8	31.23	326.1	166.0	37.47	123.5	22.74
Kansas	136.3	141.4	33.35	940.4	148.6	34.65	542.8	124.5	24.16	123.9	22.25
Minnesota	150.0	169.3	38.72	5.8	135.9	31.63	–	–	–	119.6	20.91
Missouri	58.6	103.1	22.16	2,338.3	172.5	39.41	9,851.9	131.5	28.83	138.2	28.75
Nebraska	–	–	–	–	–	–	–	–	–	84.1	14.49
North Dakota	–	–	–	–	–	–	–	–	–	70.3	9.26
South Dakota	–	–	–	–	–	–	–	–	–	121.4	15.39
South Atlantic	**17,283.3**	**156.2**	**38.97**	**19,831.5**	**161.5**	**39.62**	**8,697.1**	**139.9**	**33.67**	**166.5**	**41.54**
Delaware	819.8	166.6	42.53	7.6	182.8	46.90	–	–	–	180.6	46.60
District of Columbia	–	–	–	–	–	–	–	–	–	–	–
Florida	731.2	217.6	53.52	8,619.8	173.6	41.83	1,749.8	123.3	30.14	177.7	44.16
Georgia	4,921.6	186.3	41.21	5,161.0	172.2	41.12	2,348.9	185.0	40.44	174.7	42.53
Maryland	4,155.0	160.5	40.46	947.0	162.2	42.00	–	–	–	157.6	40.12
North Carolina	51.8	170.6	44.00	–	–	–	–	–	–	177.5	44.65
South Carolina	896.3	170.2	43.34	95.2	154.9	40.15	–	–	–	176.0	44.63
Virginia	172.0	153.1	39.41	–	–	–	–	–	–	155.1	39.72
West Virginia	5,535.5	131.8	32.63	5,001.0	131.7	33.80	4,598.3	126.0	31.56	144.1	35.95
East South Central	**9,080.8**	**138.0**	**33.36**	**23,358.6**	**147.0**	**34.82**	**13,104.5**	**114.2**	**25.33**	**148.4**	**35.36**
Alabama	3,228.4	175.7	43.36	5,504.6	200.7	48.05	609.8	126.5	30.36	194.7	47.37
Kentucky	1,654.8	111.4	26.03	6,513.3	117.2	27.05	12,005.5	112.4	24.68	119.8	27.61
Mississippi	–	–	–	1,814.7	163.5	40.27	–	–	–	181.2	45.88
Tennessee	4,197.6	118.4	28.56	9,526.0	132.3	31.44	489.3	139.9	34.95	133.5	32.17
West South Central	**4,126.5**	**92.6**	**10.30**	**37.0**	**118.1**	**30.50**	**111.2**	**109.9**	**28.06**	**149.5**	**23.08**
Arkansas	–	–	–	–	–	–	–	–	–	158.5	27.47
Louisiana	–	–	–	–	–	–	–	–	–	155.5	25.48
Oklahoma	3.7	173.1	43.98	37.0	118.1	30.50	111.2	109.9	28.08	148.2	26.42
Texas	4,122.8	92.4	10.27	–	–	–	–	–	–	147.2	21.50
Mountain	–	–	–	–	–	–	–	–	–	**109.5**	**21.32**
Arizona	–	–	–	–	–	–	–	–	–	140.5	29.92
Colorado	–	–	–	–	–	–	–	–	–	106.6	20.84
Idaho	–	–	–	–	–	–	–	–	–	–	–
Montana	–	–	–	–	–	–	–	–	–	54.5	9.29
Nevada	–	–	–	–	–	–	–	–	–	136.3	30.21
New Mexico	–	–	–	–	–	–	–	–	–	117.5	21.24
Utah	–	–	–	–	–	–	–	–	–	126.5	29.07
Wyoming	–	–	–	–	–	–	–	–	–	84.0	14.71
Pacific	–	–	–	–	–	–	–	–	–	**154.5**	**25.41**
California	–	–	–	–	–	–	–	–	–	–	–
Oregon	–	–	–	–	–	–	–	–	–	139.0	23.70
Washington	–	–	–	–	–	–	–	–	–	155.2	25.48
Pacific Noncontiguous	–	–	–	–	–	–	–	–	–	–	–
Alaska	–	–	–	–	–	–	–	–	–	–	–
Hawaii	–	–	–	–	–	–	–	–	–	–	–
Total	**55,000.3**	**145.7**	**34.40**	**100,810.5**	**149.0**	**35.33**	**74,213.3**	**140.2**	**31.88**	**146.6**	**30.64**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 46. Receipts and Average Cost of Petroleum by Sulfur Content, Census Division and State, 1988

Census Division and State	0.3% or Less			More than 0.3% up to 0.5%			More than 0.5% up to 1.0%		
	Quantity (1,000 bbls)	(cents per 10^6 Btu)	($ per bbl)	Quantity (1,000 bbls)	(cents per 10^6 Btu)	($ per bbl)	Quantity (1,000 bbls)	(cents per 10^6 Btu)	($ per bbl)
New England	**444.7**	**226.0**	**14.12**	**5,455.1**	**259.9**	**16.30**	**30,196.2**	**229.4**	**14.47**
Connecticut	–	–	–	4,443.4	260.6	16.33	13,264.9	231.8	14.65
Maine	444.7	226.0	14.12	688.9	243.6	15.37	3,110.3	240.7	15.03
Massachusetts	–	–	–	322.8	285.1	17.90	12,405.3	224.5	14.17
New Hampshire	–	–	–	–	–	–	–	–	–
Rhode Island	–	–	–	–	–	–	1,415.7	224.6	14.24
Vermont	–	–	–	–	–	–	–	–	–
Middle Atlantic	**32,110.7**	**260.5**	**16.16**	**8,869.2**	**260.2**	**16.26**	**30,015.6**	**241.8**	**15.36**
New Jersey	11,102.2	254.2	15.76	549.6	247.5	15.65	1,989.6	234.9	14.86
New York	21,008.5	263.9	16.38	5,316.6	267.8	16.67	21,359.0	245.5	15.59
Pennsylvania	–	–	–	3,003.0	249.1	15.65	6,667.0	232.0	14.75
East North Central	**–**	**–**	**–**	**24.0**	**288.1**	**17.38**	**3,323.7**	**276.7**	**17.31**
Illinois	–	–	–	–	–	–	1,401.8	294.9	18.71
Indiana	–	–	–	–	–	–	–	–	–
Michigan	–	–	–	24.0	288.1	17.38	1,922.0	263.2	16.29
Ohio	–	–	–	–	–	–	–	–	–
Wisconsin	–	–	–	–	–	–	–	–	–
West North Central	**–**	**–**	**–**	**–**	**–**	**–**	**15.7**	**232.4**	**14.64**
Iowa	–	–	–	–	–	–	–	–	–
Kansas	–	–	–	–	–	–	–	–	–
Minnesota	–	–	–	–	–	–	–	–	–
Missouri	–	–	–	–	–	–	–	–	–
Nebraska	–	–	–	–	–	–	15.7	232.4	14.64
North Dakota	–	–	–	–	–	–	–	–	–
South Dakota	–	–	–	–	–	–	–	–	–
South Atlantic	**105.5**	**217.6**	**13.61**	**862.0**	**245.8**	**15.43**	**36,688.6**	**228.2**	**14.48**
Delaware	–	–	–	–	–	–	3,080.0	227.3	14.46
District of Columbia	–	–	–	–	–	–	941.0	277.6	16.75
Florida	–	–	–	140.0	187.2	11.90	29,334.7	225.8	14.36
Georgia	105.5	217.6	13.61	–	–	–	–	–	–
Maryland	–	–	–	367.0	273.8	17.36	2,702.0	237.6	15.00
North Carolina	–	–	–	–	–	–	–	–	–
South Carolina	–	–	–	–	–	–	–	–	–
Virginia	–	–	–	355.0	239.9	14.82	631.0	237.0	14.51
West Virginia	–	–	–	–	–	–	–	–	–
East South Central	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Alabama	–	–	–	–	–	–	–	–	–
Kentucky	–	–	–	–	–	–	–	–	–
Mississippi	–	–	–	–	–	–	–	–	–
Tennessee	–	–	–	–	–	–	–	–	–
West South Central	**102.7**	**207.7**	**13.17**	**285.8**	**385.0**	**24.08**	**375.6**	**290.9**	**18.41**
Arkansas	–	–	–	135.5	381.0	24.00	–	–	–
Louisiana	–	–	–	–	–	–	323.1	297.4	18.79
Oklahoma	–	–	–	–	–	–	51.1	251.7	16.10
Texas	102.7	207.7	13.17	150.3	388.6	24.15	1.4	250.0	15.96
Mountain	**–**	**–**	**–**	**.3**	**280.4**	**18.61**	**1,015.9**	**236.9**	**14.78**
Arizona	–	–	–	–	–	–	20.9	247.0	15.40
Colorado	–	–	–	.3	280.4	18.61	–	–	–
Idaho	–	–	–	–	–	–	–	–	–
Montana	–	–	–	–	–	–	–	–	–
Nevada	–	–	–	–	–	–	952.9	239.7	14.97
New Mexico	–	–	–	–	–	–	42.1	168.2	10.24
Utah	–	–	–	–	–	–	–	–	–
Wyoming	–	–	–	–	–	–	–	–	–
Pacific	**11,653.3**	**274.6**	**16.79**	**1,593.4**	**242.5**	**15.08**	**235.8**	**279.5**	**17.02**
California	11,653.3	274.6	16.79	1,593.4	242.5	15.08	235.8	279.5	17.02
Oregon	–	–	–	–	–	–	–	–	–
Washington	–	–	–	–	–	–	–	–	–
Pacific Noncontiguous	**–**	**–**	**–**	**9,992.8**	**286.7**	**17.96**	**–**	**–**	**–**
Alaska	–	–	–	–	–	–	–	–	–
Hawaii	–	–	–	9,992.8	286.7	17.96	–	–	–
Total	**44,416.9**	**263.6**	**16.30**	**27,082.6**	**269.7**	**16.88**	**101,867.1**	**234.6**	**14.85**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

• No. 2 Fuel Oil has been omitted from this table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 46. Receipts and Average Cost of Petroleum by Sulfur Content, Census Divison and State, 1988 (Continued)

Census Division and State	More than 1.0% up to 2.0%			More than 2.0% up to 3.0%			More than 3.0%			All Purchases	
	Quantity (1,000 bbls)	(cents per 10⁶ Btu)	($ per bbl)	Quantity (1,000 bbls)	(cents per 10⁶ Btu)	($ per bbl)	Quantity (1,000 bbls)	(cents per 10⁶ Btu)	($ per bbl)	(cents per 10⁶ Btu)	($ per bbl)
New England	**11,837.2**	**213.5**	**13.65**	**12,038.6**	**220.7**	**13.90**	-	-	-	**227.2**	**14.36**
Connecticut	765.6	250.7	15.70	-	-	-	-	-	-	239.5	15.10
Maine	184.9	210.3	13.26	679.0	212.2	13.41	-	-	-	234.9	14.71
Massachusetts	5,771.6	233.4	14.76	11,359.6	221.2	13.93	-	-	-	225.6	14.23
New Hampshire	5,115.1	186.4	12.10	-	-	-	-	-	-	186.4	12.10
Rhode Island	-	-	-	-	-	-	-	-	-	224.6	14.24
Vermont	-	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**15,311.0**	**226.3**	**14.38**	-	-	-	-	-	-	**247.8**	**15.58**
New Jersey	-	-	-	-	-	-	-	-	-	251.0	15.62
New York	15,311.0	226.3	14.38	-	-	-	-	-	-	248.7	15.65
Pennsylvania	-	-	-	-	-	-	-	-	-	237.2	15.03
East North Central	**405.1**	**247.0**	**15.75**	-	-	-	-	-	-	**273.5**	**17.14**
Illinois	-	-	-	-	-	-	-	-	-	294.9	18.71
Indiana	-	-	-	-	-	-	-	-	-	-	-
Michigan	18.1	293.7	18.32	-	-	-	-	-	-	263.7	16.32
Ohio	387.0	244.9	15.64	-	-	-	-	-	-	244.9	15.64
Wisconsin	-	-	-	-	-	-	-	-	-	-	-
West North Central	**355.5**	**205.3**	**13.10**	**3.5**	**193.2**	**11.93**	-	-	-	**206.3**	**13.16**
Iowa	-	-	-	-	-	-	-	-	-	-	-
Kansas	45.0	273.4	17.05	-	-	-	-	-	-	273.4	17.05
Minnesota	-	-	-	-	-	-	-	-	-	-	-
Missouri	232.4	183.0	11.78	-	-	-	-	-	-	183.0	11.78
Nebraska	78.1	234.1	14.75	-	-	-	-	-	-	233.8	14.73
North Dakota	-	-	-	3.5	193.2	11.93	-	-	-	193.2	11.93
South Dakota	-	-	-	-	-	-	-	-	-	-	-
South Atlantic	**10,788.6**	**210.8**	**13.36**	**3,530.0**	**204.6**	**12.99**	-	-	-	**223.3**	**14.16**
Delaware	261.3	225.4	14.38	504.7	229.6	14.67	-	-	-	227.5	14.48
District of Columbia	-	-	-	-	-	-	-	-	-	277.6	16.75
Florida	6,143.1	201.5	12.84	2,958.2	199.7	12.66	-	-	-	219.8	13.98
Georgia	-	-	-	67.1	233.6	14.44	-	-	-	223.7	13.94
Maryland	2,379.2	220.4	13.97	-	-	-	-	-	-	232.5	14.71
North Carolina	-	-	-	-	-	-	-	-	-	-	-
South Carolina	-	-	-	-	-	-	-	-	-	-	-
Virginia	2,005.0	226.3	14.10	-	-	-	-	-	-	230.1	14.27
West Virginia	-	-	-	-	-	-	-	-	-	-	-
East South Central	**.4**	**74.4**	**4.20**	**644.9**	**299.9**	**19.01**	**379.6**	**349.2**	**22.11**	**318.1**	**20.16**
Alabama	-	-	-	-	-	-	-	-	-	-	-
Kentucky	-	-	-	-	-	-	-	-	-	-	-
Mississippi	.4	74.4	4.20	644.9	299.9	19.01	379.6	349.2	22.11	318.1	20.16
Tennessee	-	-	-	-	-	-	-	-	-	-	-
West South Central	**88.8**	**254.2**	**16.41**	-	-	-	-	-	-	**308.2**	**19.47**
Arkansas	-	-	-	-	-	-	-	-	-	381.0	24.00
Louisiana	4.4	350.1	22.39	-	-	-	-	-	-	298.1	18.84
Oklahoma	84.4	249.3	16.10	-	-	-	-	-	-	250.2	16.10
Texas	-	-	-	-	-	-	-	-	-	313.9	19.67
Mountain	-	-	-	-	-	-	-	-	-	**236.9**	**14.78**
Arizona	-	-	-	-	-	-	-	-	-	247.0	15.40
Colorado	-	-	-	-	-	-	-	-	-	280.4	18.61
Idaho	-	-	-	-	-	-	-	-	-	-	-
Montana	-	-	-	-	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-	239.7	14.97
New Mexico	-	-	-	-	-	-	-	-	-	168.2	10.24
Utah	-	-	-	-	-	-	-	-	-	-	-
Wyoming	-	-	-	-	-	-	-	-	-	-	-
Pacific	**1,484.0**	**222.0**	**14.01**	-	-	-	-	-	-	**265.8**	**16.34**
California	1,484.0	222.0	14.01	-	-	-	-	-	-	265.8	16.34
Oregon	-	-	-	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	-	-	-	-	-
Pacific Noncontiguous	-	-	-	-	-	-	-	-	-	**286.7**	**17.96**
Alaska	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	286.7	17.96
Total	**40,270.7**	**218.3**	**13.88**	**16,217.0**	**220.3**	**13.90**	**379.6**	**349.2**	**22.11**	**240.5**	**15.15**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

• No. 2 Fuel Oil has been omitted from this table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Coal Origin-by-Destination Data

Background

This section includes data on the origin and destination of coal delivered to steam-electric plants. The origin of coal by Bureau of Mines (BOM) District is contained in Table 47. Listed under each district are the origin States (shown in boldface) that make up the district, and the amount of coal originated in each State. Directly below each origin State is a list of States of destination showing how much coal was delivered to steam-electric plants from that particular origin State. It should be noted that in some cases, an origin State can be located in more than one BOM District. West Virginia, for example, is in Districts 3, 5, 7, and 8. Data by Census division and destination State are contained in Table 48. Each Census division lists the destination States (shown in boldface) and the amount of coal delivered to steam-electric plants in that particular State. Shown for each destination State is the BOM District and the States from which the coal originated.

The percentages shown under the heading "Percent of Receipts," Surface and Spot, represent the percent of total coal shipments surface-mined (versus coal mined underground) and the percent purchased on the spot market (versus coal purchased under contract).

Table 49 contains data on the origin of coal delivered to each steam-electric plant reporting coal receipts. The utilities are in alphabetical order, and next to each utility is the name of the plant that it operates. Under each plant is the State and county from which the coal originated and the corresponding quantity, quality, and cost information. On some occasions, the county of origin of the coal delivered could not be determined by the utility. Therefore, the receipt data are shown under the State of origin as "Unknown."

Some utilities report more than one county-of-origin as the source of coal for a particular shipment. When this happens the data are split according to either the production data from the counties for 1986, or according to the production data on the mines, if the mines are known. Also, it is not uncommon for a utility to report a tipple (an apparatus at a central facility used in loading coal for transportation by rail or truck) as the source of the coal and list the county that the tipple is located in as the county-of-origin. In some cases the coal delivered to the tipple comes from various surrounding counties. No adjustment to the data are made to compensate for this.

The following holding companies are covered in this chapter.

AEP - American Electric Power
APS - Allegheny Power System
ACE - Atlantic City Electric
CSW - Central & South West Coop.
DMV - Delmarva
GPU - General Public Utilities
MSU - Middle South Utilities
NEES - New England Electric System
NEGA - New England Gas & Electric Assoc.
NU - Northeast Utilities
SC - Southern Company
TU - Texas Utilities

Table 47. Origin and Destination of Coal Received by Bureau of Mines District and State, 1988

BOM District Origin State Destination State	Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
		Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million btu)	(dollars per short ton)
District 1	**38,340.2**	**53.0**	**26.1**	**12,366**	**1.80**	**13.7**	**149.8**	**37.04**
Maryland	**2,481.1**	**52.3**	**22.5**	**12,656**	**1.59**	**12.4**	**143.6**	**36.35**
Maryland	1,220.6	67.9	11.5	12,835	1.57	11.6	162.7	41.76
Massachusetts	131.0	-	51.2	13,074	1.25	9.1	154.7	40.46
New York	7.5	-	100.0	12,772	1.73	10.9	143.9	36.76
West Virginia	1,122.0	41.9	30.5	12,412	1.66	13.7	120.8	29.98
Pennsylvania	**32,323.0**	**57.0**	**27.2**	**12,329**	**1.82**	**14.0**	**151.2**	**37.29**
Delaware	673.2	87.9	22.6	12,653	1.78	10.9	170.4	43.12
Maryland	2,775.0	99.8	4.2	12,500	1.79	12.7	168.6	42.14
Massachusetts	347.2	95.8	100.0	13,225	1.34	7.6	172.6	45.64
Michigan	103.0	100.0	10.7	12,811	2.60	8.5	179.6	46.02
New Hampshire	32.8	-	100.0	12,897	2.52	6.7	169.6	43.74
New York	3,199.2	96.2	80.5	12,326	1.30	12.7	145.6	35.90
Ohio	392.7	75.8	89.6	12,815	2.47	9.3	127.4	32.64
Pennsylvania	24,800.0	45.4	21.0	12,278	1.82	14.5	149.3	36.67
West Virginia	**3,536.1**	**16.2**	**18.6**	**12,498**	**1.72**	**12.4**	**141.1**	**35.26**
Maryland	130.2	-	100.0	12,776	1.59	11.0	151.4	38.70
Massachusetts	134.2	-	-	13,044	1.32	9.4	152.3	39.74
New Hampshire	48.7	33.3	-	13,047	1.22	7.9	214.3	55.93
West Virginia	3,223.0	17.2	16.4	12,456	1.75	12.7	139.0	34.62
District 2	**12,333.6**	**46.8**	**34.0**	**12,706**	**1.81**	**9.5**	**145.7**	**37.02**
Pennsylvania	**12,333.6**	**46.8**	**34.0**	**12,706**	**1.81**	**9.5**	**145.7**	**37.02**
Delaware	18.1	100.0	95.5	12,828	.98	9.5	156.0	40.02
Kentucky	44.3	100.0	-	10,996	2.50	18.0	156.7	34.46
Massachusetts	89.6	8.0	100.0	13,072	1.24	6.4	169.5	44.32
Michigan	1,765.9	6.7	36.3	13,002	1.20	7.2	164.8	42.85
New Hampshire	114.9	-	100.0	13,222	1.38	6.5	174.5	46.14
New Jersey	21.0	100.0	100.0	12,967	2.04	8.0	178.1	46.18
New York	1,774.4	38.2	30.3	13,132	1.70	7.0	153.3	40.26
Ohio	2,993.7	74.9	29.1	12,473	2.08	10.9	135.2	33.72
Pennsylvania	4,167.8	56.7	41.4	12,437	2.01	11.3	136.6	33.97
West Virginia	193.0	4.9	88.6	13,043	1.42	6.5	122.9	32.05
Wisconsin	1,151.0	23.2	-	13,095	1.59	7.5	160.2	41.96
District 3	**29,569.2**	**18.4**	**19.3**	**12,788**	**2.06**	**10.1**	**145.7**	**37.26**
West Virginia	**29,569.2**	**18.4**	**19.3**	**12,788**	**2.06**	**10.1**	**145.7**	**37.26**
Delaware	1,171.1	2.2	12.8	13,153	.90	8.3	186.2	48.99
Florida	739.0	-	9.8	13,112	2.52	8.2	155.4	40.75
Maryland	3,758.1	38.9	41.0	12,878	1.33	9.2	147.5	37.98
Massachusetts	1,431.9	16.8	9.6	13,058	1.24	9.0	157.4	41.11
Michigan	21.0	-	100.0	12,958	1.20	9.1	142.6	36.96
New Hampshire	1,003.6	.2	80.8	13,373	2.47	7.2	176.6	47.25
New Jersey	1,307.7	40.7	8.3	13,108	1.66	8.8	171.3	44.91
New York	2,057.8	.3	6.5	13,137	2.38	8.1	155.4	40.83
Ohio	331.6	31.8	100.0	12,846	2.02	9.2	127.4	32.74
Pennsylvania	5,704.2	12.1	12.2	12,687	2.20	10.2	137.7	34.94
Tennessee	314.4	-	-	12,293	2.70	12.6	138.5	34.06
Virginia	7.0	-	100.0	13,258	1.37	6.5	148.8	39.46
West Virginia	11,608.8	20.5	13.6	12,575	2.36	11.5	135.7	34.14
Wisconsin	113.0	-	100.0	13,268	2.43	7.3	136.6	36.24
District 4	**28,510.9**	**59.6**	**21.3**	**11,734**	**3.24**	**11.2**	**157.7**	**37.01**
Ohio	**28,510.9**	**59.6**	**21.3**	**11,734**	**3.24**	**11.2**	**157.7**	**37.01**
Alabama	2,650.5	100.0	-	11,673	2.28	11.5	205.2	47.91
Indiana	11.5	100.0	100.0	11,560	2.89	9.7	106.6	24.64
Kentucky	277.1	94.6	50.5	11,239	2.34	12.5	126.0	28.32
Michigan	148.8	100.0	25.5	11,549	3.28	10.3	184.7	42.65
New York	158.2	100.0	100.0	12,765	1.66	8.7	152.6	38.96
Ohio	22,651.5	59.7	24.2	11,703	3.30	11.1	154.3	36.12
Pennsylvania	2,434.0	8.4	2.3	12,066	3.90	12.0	146.1	35.25
West Virginia	179.3	16.1	100.0	12,097	3.83	10.9	85.6	20.72
District 6	**7,300.9**	**.3**	**.1**	**12,092**	**3.84**	**11.4**	**146.1**	**35.32**
West Virginia	**7,300.9**	**.3**	**.1**	**12,092**	**3.84**	**11.4**	**146.1**	**35.32**
Indiana	2.0	-	-	12,260	4.04	9.9	152.8	37.47
Ohio	3,123.0	.5	-	12,167	3.69	10.0	154.2	37.52

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 47. Origin and Destination of Coal Received by Bureau of Mines District and State, 1988 (Continued)

BOM District Origin State Destination State	Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
		Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million btu)	(dollars per short ton)
District 6								
West Virginia								
Pennsylvania	2,615.4	-	-	12,045	3.96	12.1	147.4	35.50
West Virginia	1,560.5	0.6	0.6	12,022	3.96	13.1	127.4	30.63
District 7	**1,007.3**	**15.4**	**7.1**	**13,215**	**1.10**	**8.1**	**173.4**	**45.82**
Virginia	**954.1**	**13.0**	**3.1**	**13,254**	**1.11**	**8.0**	**175.1**	**46.40**
Georgia	8.6	-	100.0	14,244	.75	4.4	157.0	44.73
Indiana	7.1	-	100.0	14,215	.79	4.1	158.1	44.95
Massachusetts	75.4	100.0	-	12,904	1.17	9.5	157.5	40.65
Michigan	578.0	4.5	-	13,402	1.24	7.0	171.4	45.95
Virginia	277.9	8.1	2.4	12,965	.65	9.9	188.5	48.89
Wisconsin	7.1	-	100.0	13,997	.76	4.6	180.9	50.63
West Virginia	**53.2**	**57.8**	**79.5**	**12,525**	**.88**	**10.2**	**141.5**	**35.45**
Massachusetts	16.0	-	100.0	13,014	.83	8.3	163.2	42.48
New Jersey	1.0	-	100.0	13,273	.62	9.7	159.1	42.23
Ohio	24.4	100.0	55.4	12,158	.77	10.9	139.3	33.86
Pennsylvania	7.0	47.6	100.0	12,424	1.47	12.5	95.5	23.74
Virginia	4.8	62.5	100.0	12,747	.76	9.6	140.2	35.75
District 8	**137,970.7**	**47.4**	**25.0**	**12,522**	**1.03**	**9.9**	**168.1**	**42.11**
Kentucky	**77,796.4**	**54.4**	**24.9**	**12,444**	**1.10**	**9.7**	**171.6**	**42.72**
Alabama	541.4	44.9	13.2	12,373	.96	9.6	148.8	36.82
Connecticut	818.0	-	2.9	13,139	.52	6.3	229.3	60.26
Delaware	110.0	-	79.1	12,534	.71	8.6	177.0	44.37
Florida	9,499.5	59.4	13.0	12,814	1.01	7.8	189.6	48.60
Georgia	11,141.5	77.6	21.0	12,305	1.47	10.6	163.2	40.17
Illinois	1,302.8	35.4	23.7	13,074	.69	6.7	163.8	42.82
Indiana	729.5	44.5	23.0	12,712	.69	7.6	210.7	53.56
Kentucky	7,913.9	68.9	53.7	12,130	1.10	11.0	133.6	32.41
Maryland	320.0	95.6	4.4	13,063	.78	8.6	161.8	42.28
Michigan	10,017.1	51.8	20.9	12,650	.82	8.6	191.5	48.44
Mississippi	2,667.7	4.6	20.4	12,877	.77	7.4	195.7	50.40
Missouri	7.0	100.0	100.0	11,000	1.26	12.0	125.5	27.61
New Jersey	19.9	-	100.0	12,917	.74	7.4	172.1	44.47
New York	706.2	-	-	13,107	.53	8.0	197.4	51.75
North Carolina	7,857.1	43.9	9.5	12,608	.97	8.7	181.6	45.80
Ohio	7,944.7	62.2	39.8	11,762	1.33	12.7	157.9	37.15
Pennsylvania	13.1	100.0	-	12,282	.98	9.1	169.1	46.45
South Carolina	7,841.5	38.5	30.3	12,609	1.14	9.5	178.9	45.11
Tennessee	5,698.2	52.6	9.7	11,953	1.32	11.5	148.2	35.43
Virginia	2,021.6	47.6	57.5	12,803	1.07	8.3	152.9	39.15
West Virginia	469.1	96.3	10.3	12,329	.88	9.4	180.9	44.60
Wisconsin	158.7	57.2	100.0	12,869	.87	7.7	162.8	41.91
Tennessee	**3,778.9**	**18.2**	**21.3**	**12,573**	**1.42**	**9.9**	**146.9**	**36.93**
Alabama	28.6	85.4	100.0	11,925	1.34	12.1	134.7	32.12
Georgia	1,370.6	32.7	4.7	12,619	1.21	9.9	189.6	47.86
Kentucky	243.2	-	95.9	12,501	2.92	10.9	100.9	25.24
North Carolina	226.8	.3	.4	12,936	1.39	7.9	189.2	48.96
South Carolina	169.2	-	92.3	12,774	1.51	8.2	148.5	37.94
Tennessee	1,740.5	12.4	18.5	12,490	1.37	10.2	113.6	28.38
Virginia	**17,115.5**	**34.6**	**15.7**	**12,967**	**1.10**	**9.3**	**163.4**	**42.38**
Alabama	39.7	100.0	100.0	13,146	1.63	8.5	144.8	38.07
Florida	1,040.0	-	18.7	12,695	.71	8.8	211.5	53.71
Georgia	3,681.0	41.6	23.2	12,926	1.30	9.7	164.7	42.58
Indiana	167.5	12.8	100.0	13,791	.73	6.8	163.1	44.99
Massachusetts	1,900.4	.7	4.8	13,155	1.17	7.7	163.2	42.94
Mississippi	64.2	3.3	100.0	13,458	.71	6.5	166.7	44.86
New Hampshire	9.7	33.3	-	12,993	1.10	8.3	198.7	51.63
New Jersey	888.0	6.4	13.0	13,716	.83	5.9	172.4	47.29
North Carolina	4,064.9	59.5	3.6	12,743	1.00	10.8	169.0	43.08
South Carolina	929.7	70.7	23.3	13,223	1.40	9.1	156.9	41.49
Tennessee	1,264.4	5.4	10.5	13,249	1.54	7.9	125.9	33.35
Virginia	3,066.0	36.0	21.4	12,818	.92	10.0	153.8	39.44
West Virginia	**39,277.9**	**41.9**	**29.6**	**12,476**	**.81**	**10.7**	**165.4**	**41.27**
Connecticut	12.0	-	100.0	13,101	.65	7.2	179.6	47.06
Delaware	552.2	1.4	37.2	12,746	.70	8.8	182.2	46.46

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 47. Origin and Destination of Coal Received by Bureau of Mines District and State, 1988 (Continued)

BOM District **Origin State** Destination State	Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
		Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million btu)	(dollars per short ton)
District 8								
West Virginia								
Florida	1,911.0	59.7	22.5	12,335	0.80	11.4	179.7	44.34
Georgia	1,598.5	1.2	6.4	12,131	.68	11.6	226.6	54.97
Illinois	357.9	34.3	30.9	13,102	.69	6.8	169.2	44.34
Indiana	379.2	11.7	94.1	12,863	.73	8.4	173.7	44.69
Kentucky	2,633.0	65.9	70.9	12,247	.88	11.4	118.8	29.09
Louisiana	218.3	-	-	12,909	.66	7.6	179.7	46.38
Maryland	650.0	100.0	4.8	12,413	.67	11.5	161.0	39.96
Massachusetts	159.7	87.1	25.0	12,976	.97	9.1	154.7	40.15
Michigan	5,470.5	43.8	38.7	12,985	.78	8.2	176.1	45.74
Mississippi	467.4	15.0	70.7	12,562	1.21	8.7	165.2	41.50
New Jersey	239.2	11.6	53.7	13,109	.81	7.9	170.6	44.74
New York	659.1	-	-	13,021	.62	8.2	196.1	51.06
North Carolina	4,646.5	20.0	2.1	12,354	.76	11.5	177.6	43.88
Ohio	8,040.0	58.4	42.0	12,196	.93	12.0	152.4	37.18
Pennsylvania	26.0	34.6	100.0	12,757	1.53	10.1	137.4	35.06
South Carolina	61.5	-	-	12,615	.98	12.5	195.7	49.36
Virginia	2,061.3	67.7	50.4	12,745	.76	9.2	154.8	39.46
West Virginia	9,080.6	33.5	14.5	12,436	.78	11.2	162.1	40.32
Wisconsin	34.0	-	100.0	13,507	1.40	6.9	159.1	42.97
District 9	**38,095.1**	**45.5**	**23.5**	**11,611**	**3.16**	**11.1**	**126.6**	**29.40**
Kentucky	**38,095.1**	**45.5**	**23.5**	**11,611**	**3.16**	**11.1**	**126.6**	**29.40**
Alabama	1,115.4	33.1	61.6	11,933	3.01	12.3	120.9	28.86
Florida	5,017.8	23.0	56.1	12,258	2.92	9.1	146.6	35.95
Georgia	1,754.6	91.9	20.2	11,779	2.89	10.1	154.8	36.47
Illinois	1,114.6	65.9	24.1	11,659	2.21	6.7	133.1	31.05
Indiana	3,085.2	65.3	31.4	11,699	3.39	11.1	112.0	26.20
Iowa	33.7	100.0	100.0	12,155	3.51	11.0	118.8	28.88
Kentucky	15,187.6	34.1	17.8	11,128	3.64	13.8	113.1	25.17
Mississippi	814.5	100.0	47.1	12,229	2.52	7.6	164.3	40.18
Missouri	7.2	97.1	97.1	11,013	2.31	11.9	130.4	26.72
Ohio	357.5	40.8	82.9	11,586	2.51	8.2	102.1	23.67
Tennessee	9,555.7	54.8	3.4	11,879	2.73	8.5	132.3	31.56
Wisconsin	51.0	100.0	-	12,169	1.46	6.4	138.6	33.79
District 10	**53,748.6**	**36.4**	**8.6**	**11,183**	**2.56**	**9.5**	**163.1**	**36.48**
Illinois	**53,748.6**	**36.4**	**8.6**	**11,183**	**2.56**	**9.5**	**163.1**	**36.48**
Alabama	211.6	-	100.0	11,582	2.11	8.0	102.4	23.72
Florida	4,354.9	1.4	2.9	11,720	2.73	8.5	191.8	44.96
Georgia	5,580.4	43.7	-	11,434	2.49	8.9	193.5	44.24
Illinois	14,351.0	34.7	5.2	10,886	2.94	10.0	153.2	33.35
Indiana	9,000.7	21.6	5.6	10,846	2.61	10.5	134.9	35.78
Iowa	2,034.1	35.4	19.0	11,472	2.57	8.1	145.4	33.36
Kansas	1,211.7	14.0	54.1	11,549	2.52	9.8	144.6	33.40
Kentucky	19.3	-	100.0	12,662	.76	8.2	113.6	28.76
Michigan	48.0	-	100.0	12,813	1.03	6.8	137.4	35.21
Minnesota	122.6	-	13.0	12,106	1.61	7.0	189.1	45.79
Mississippi	840.5	94.4	40.5	12,406	2.45	8.2	160.2	39.76
Missouri	12,574.7	62.0	3.6	11,145	2.26	9.8	159.7	35.60
Tennessee	1,185.5	-	89.5	11,812	1.90	7.6	106.8	25.24
Wisconsin	2,213.6	29.5	3.8	11,609	1.93	8.2	165.6	38.45
District 11	**24,732.9**	**99.2**	**18.2**	**11,144**	**2.49**	**9.1**	**128.3**	**28.61**
Indiana	**24,732.9**	**99.2**	**18.2**	**11,144**	**2.49**	**9.1**	**128.3**	**28.61**
Florida	91.1	100.0	100.0	11,043	2.79	9.3	118.6	26.19
Illinois	1,210.7	100.0	14.8	11,158	1.41	8.8	135.6	30.26
Indiana	17,332.0	99.3	14.0	11,121	2.65	9.3	125.0	27.81
Iowa	505.2	100.0	45.7	11,037	2.53	9.3	116.9	25.80
Kentucky	3,025.9	100.0	37.0	11,283	2.37	8.3	115.4	26.04
Michigan	159.9	100.0	53.7	10,902	2.53	10.5	160.0	34.89
Minnesota	71.9	100.0	100.0	10,646	1.66	10.5	147.6	31.43
Missouri	49.0	91.8	91.8	11,071	1.17	10.6	126.1	27.92
Ohio	149.4	100.0	100.0	10,907	2.97	10.3	94.8	20.69
Wisconsin	2,137.8	96.6	4.6	11.215	1.99	8.8	171.7	38.51

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 47. Origin and Destination of Coal Received by Bureau of Mines District and State, 1988 (Continued)

BOM District Origin State Destination State	Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
		Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million btu)	(dollars per short ton)
District 12	95.0	89.8	11.6	10,327	2.27	9.1	134.3	27.75
Iowa	95.0	89.8	11.6	10,327	2.27	9.1	134.3	27.75
Iowa	95.0	89.8	11.6	10,327	2.27	9.1	134.3	27.75
District 13	15,473.9	54.8	10.4	12,262	1.27	11.9	200.4	49.15
Alabama	14,746.7	56.4	9.3	12,252	1.30	11.9	204.3	50.05
Alabama	14,580.2	57.0	8.3	12,254	1.28	11.9	205.2	50.30
Florida	145.6	-	100.0	11,961	2.87	11.9	114.3	27.33
Indiana	4.8	-	100.0	13,000	.60	9.0	157.7	41.00
Mississippi	16.0	100.0	100.0	12,554	2.45	11.2	153.0	38.41
Tennessee	727.2	21.2	32.2	12,469	.75	12.3	123.7	30.86
Alabama	727.2	21.2	32.2	12,469	.75	12.3	123.7	30.86
District 14	516.1	100.0	84.2	10,482	1.01	9.0	142.0	29.77
Arkansas	221.8	100.0	100.0	6,679	.54	10.1	118.5	15.83
Arkansas	221.8	100.0	100.0	6,679	.54	10.1	118.5	15.83
Oklahoma	294.2	100.0	72.3	13,348	1.36	8.2	150.9	40.27
Oklahoma	294.2	100.0	72.3	13,348	1.36	8.2	150.9	40.27
District 15	54,768.2	100.0	4.1	6,795	1.21	16.1	113.1	15.36
Kansas	556.2	100.0	23.7	10,655	4.15	18.9	126.9	27.04
Kansas	314.9	100.0	11.2	9,515	4.58	23.6	126.9	24.15
Missouri	241.3	100.0	40.2	12,143	3.60	12.8	126.9	30.82
Louisiana	2,968.8	100.0	-	6,935	.56	11.6	125.7	17.44
Louisiana	2,968.8	100.0	-	6,935	.56	11.6	125.7	17.44
Missouri	3,774.4	100.0	1.6	10,558	4.46	11.9	129.6	27.37
Iowa	9.0	100.0	-	10,621	2.88	8.0	126.6	26.89
Kansas	92.9	100.0	-	9,144	4.84	25.3	128.0	23.41
Missouri	3,672.5	100.0	1.7	10,594	4.45	11.6	129.7	27.47
Oklahoma	1,142.0	100.0	45.1	12,456	2.69	9.9	141.2	35.18
Florida	53.3	100.0	100.0	12,582	.69	7.2	202.0	50.84
Kansas	58.5	100.0	100.0	11,556	.40	11.7	155.9	36.03
Missouri	603.0	100.0	19.8	12,361	3.97	11.3	128.0	31.66
Oklahoma	427.1	100.0	66.3	12,698	1.46	8.1	150.0	38.09
Texas	46,326.9	100.0	3.4	6,294	.91	16.8	108.3	13.64
Texas	46,326.9	100.0	3.4	6,294	.91	16.8	108.3	13.64
District 17	13,774.1	67.9	12.6	10,692	.40	8.4	143.4	30.67
Colorado	13,218.3	66.6	13.0	10,642	.40	8.1	140.0	29.80
Arizona	538.7	100.0	-	11,997	.37	16.2	169.5	40.68
Colorado	9,411.0	71.8	15.3	10,467	.40	8.2	106.0	22.19
Indiana	294.8	-	-	11,519	.39	6.3	298.2	68.71
Missouri	71.0	-	-	11,489	.61	7.4	137.7	31.65
Nebraska	79.0	-	-	12,308	.69	7.3	179.5	44.18
Texas	1,794.8	84.0	15.4	10,827	.37	5.4	211.6	45.83
Utah	1,029.0	-	-	10,770	.43	8.5	247.9	53.39
New Mexico	555.8	98.3	1.7	11,894	.48	15.3	215.5	51.27
Arizona	546.1	100.0	-	11,875	.48	15.4	215.6	51.20
Wisconsin	9.7	-	100.0	12,985	.37	8.6	212.7	55.23
District 18	32,571.5	100.0	-	9,942	.62	15.3	122.6	24.37
Arizona	12,182.1	100.0	-	11,022	.50	9.1	100.0	22.05
Arizona	7,168.8	100.0	-	11,034	.49	8.5	98.5	21.74
Nevada	5,013.3	100.0	-	11,005	.50	9.9	102.2	22.49
New Mexico	20,389.4	100.0	-	9,297	.70	19.0	138.6	25.76
Arizona	5,867.7	100.0	-	9,943	.53	13.2	185.6	36.95
New Mexico	14,521.7	100.0	-	9,036	.77	21.3	117.5	21.24
District 19	158,207.5	99.3	7.1	8,695	.40	5.7	139.7	24.30
Wyoming	158,207.5	99.3	7.1	8,695	.40	5.7	139.7	24.30
Arkansas	11,685.3	100.0	-	8,702	.34	5.5	159.1	27.69
Colorado	5,498.7	100.0	.7	8,564	.33	4.9	107.8	18.47
Illinois	5,854.0	100.0	-	9,524	.42	7.0	291.0	55.43
Indiana	4,934.1	83.4	22.5	8,801	.38	5.1	155.7	27.40
Iowa	11,296.0	100.0	7.8	8,703	.38	5.4	118.5	20.63
Kansas	13,120.1	99.9	7.7	8,715	.40	5.1	121.1	21.10
Louisiana	8,890.7	100.0	10.7	8,497	.49	5.9	162.7	27.65

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 47. Origin and Destination of Coal Received by Bureau of Mines District and State, 1988 (Continued)

BOM District **Origin State** Destination State	Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
		Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million btu)	(dollars per short ton)
District 19								
Wyoming								
Michigan	156.8	100.0	100.0	8,907	0.39	4.9	129.8	23.11
Minnesota	5,150.1	100.0	–	8,814	.27	5.0	106.7	19.17
Missouri	6,733.2	98.4	24.5	8,662	.36	5.2	94.1	16.31
Nebraska	7,405.9	100.0	11.4	8,580	.36	5.0	82.6	14.18
Nevada	607.0	100.0	–	9,571	.48	9.2	193.1	36.96
Oklahoma	12,633.8	100.0	4.8	8,680	.38	5.2	148.1	25.70
Oregon	234.6	100.0	8.9	8,528	.33	4.7	139.0	23.70
South Dakota	.5	100.0	100.0	8,625	.29	4.7	203.4	35.08
Texas	31,069.9	100.0	7.5	8,577	.36	5.2	183.4	31.46
Washington	361.0	100.0	47.6	8,745	.29	4.8	125.6	21.98
Wisconsin	9,600.3	99.0	12.4	8,588	.35	5.1	127.8	21.95
Wyoming	22,975.7	100.0	.7	8,756	.52	7.8	84.0	14.71
District 20	**13,574.9**	**–**	**4.9**	**11,575**	**.49**	**10.5**	**129.6**	**30.00**
Utah	**13,574.9**	**–**	**4.9**	**11,575**	**.49**	**10.5**	**129.6**	**30.00**
Colorado	39.3	–	45.9	12,208	.43	8.8	117.8	28.76
Nevada	2,266.0	–	–	11,649	.50	8.8	195.3	45.50
Texas	42.6	–	100.0	11,889	.53	8.6	161.9	38.50
Utah	11,226.9	–	5.4	11,557	.49	10.8	116.1	26.85
District 21	**23,765.9**	**100.0**	**.5**	**6,549**	**.71**	**8.9**	**74.7**	**9.78**
North Dakota	**23,765.9**	**100.0**	**.5**	**6,549**	**.71**	**8.9**	**74.7**	**9.78**
Minnesota	37.0	100.0	–	6,974	.82	7.5	175.7	24.51
North Dakota	21,713.9	100.0	.6	6,584	.70	9.0	70.3	9.26
South Dakota	2,015.0	100.0	–	6,167	.92	8.0	122.4	15.09
District 22	**36,549.9**	**100.0**	**6.0**	**8,925**	**.58**	**7.3**	**132.7**	**23.69**
Montana	**36,549.9**	**100.0**	**6.0**	**8,925**	**.58**	**7.3**	**132.7**	**23.69**
Illinois	2,729.2	100.0	.3	9,569	.39	4.3	278.0	53.20
Indiana	466.1	100.0	–	9,574	.39	4.3	283.7	54.33
Iowa	.7	100.0	100.0	9,500	.40	4.7	89.8	17.06
Michigan	9,874.9	100.0	13.7	9,479	.38	4.4	158.0	29.96
Minnesota	10,069.0	100.0	5.4	8,652	.74	8.8	123.7	21.41
Montana	10,473.8	100.0	–	8,520	.67	9.4	54.5	9.29
Nebraska	.4	100.0	100.0	9,427	.31	4.9	88.7	16.72
South Dakota	144.0	100.0	100.0	8,731	.63	8.6	111.5	19.47
Texas	569.2	100.0	–	8,571	.42	5.7	234.1	40.14
Washington	86.0	100.0	–	9,698	.40	3.6	130.9	25.40
Wisconsin	2,136.6	100.0	7.7	8,742	.71	8.4	157.1	27.46
District 23	**5,174.0**	**100.0**	**5.8**	**8,144**	**.69**	**14.7**	**157.9**	**25.72**
Washington	**5,174.0**	**100.0**	**5.8**	**8,144**	**.69**	**14.7**	**157.9**	**25.72**
Washington	5,174.0	100.0	5.8	8,144	.69	14.7	157.9	25.72
Anthracite Coal	**725.0**	**97.9**	**84.8**	**8,656**	**.57**	**33.1**	**92.9**	**16.08**
Pennsylvania	**725.0**	**97.9**	**84.8**	**8,656**	**.57**	**33.1**	**92.9**	**16.08**
Pennsylvania	725.0	97.9	84.8	8,656	.57	33.1	92.9	16.08
Imported Coal	**969.9**	**94.6**	**29.2**	**12,235**	**.73**	**6.1**	**145.0**	**35.48**
Australia	**38.4**	**100.0**	**100.0**	**12,415**	**.66**	**9.3**	**154.4**	**38.34**
Florida	38.4	100.0	100.0	12,415	.66	9.3	154.4	38.34
Canada	**51.9**	**–**	**100.0**	**13,403**	**1.99**	**5.3**	**172.7**	**46.29**
New Hampshire	51.9	–	100.0	13,403	1.99	5.3	172.7	46.29
Colombia	**686.9**	**100.0**	**–**	**11,838**	**.70**	**6.7**	**144.4**	**34.19**
Florida	686.9	100.0	–	11,838	.70	6.7	144.4	34.19
Venezuela	**192.8**	**100.0**	**100.0**	**13,302**	**.49**	**3.6**	**137.6**	**36.62**
Florida	192.8	100.0	100.0	13,302	.49	3.6	137.6	36.62
Total	**727,775.5**	**69.5**	**13.7**	**10,451**	**1.32**	**9.9**	**146.6**	**30.64**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 48. Destination and Origin of Coal Received by Bureau of Mines District and State, 1988

Census Division State of Destination BOM District and State of Origin	Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
		Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million btu)	(dollars per short ton)
New England	**6,377.0**	13.0	**28.8**	13,157	1.33	7.8	173.2	45.59
Connecticut	**830.0**	-	**4.3**	**13,139**	.52	**6.3**	**228.6**	**60.07**
District No 8 Kentucky	818.0	-	2.9	13,139	.52	6.3	229.3	60.26
District No 8 West Virginia	12.0	-	100.0	13,101	.65	7.2	179.6	47.06
Massachusetts	**4,285.4**	**18.9**	**18.4**	**13,109**	**1.21**	**8.2**	161.2	**42.25**
District No 1 Maryland	131.0	-	51.2	13,074	1.25	9.1	154.7	40.46
District No 1 Pennsylvania	347.2	95.8	100.0	13,225	1.34	7.6	172.6	45.64
District No 1 West Virginia	134.2	-	-	13,044	1.32	9.4	152.3	39.74
District No 2 Pennsylvania	89.6	8.0	100.0	13,072	1.24	6.4	169.5	44.32
District No 3 West Virginia	1,431.9	16.8	9.6	13,058	1.24	9.0	157.4	41.11
District No 7 Virginia	75.4	100.0	-	12,904	1.17	9.5	157.5	40.65
District No 7 West Virginia	16.0	-	100.0	13,014	.83	8.3	163.2	42.48
District No 8 Virginia	1,900.4	.7	4.8	13,155	1.17	7.7	163.2	42.94
District No 8 West Virginia	159.7	87.1	25.0	12,976	.97	9.1	154.7	40.15
New Hampshire	**1,261.6**	**1.7**	**80.1**	**13,333**	**2.29**	**7.1**	**177.7**	**47.38**
District No 1 Pennsylvania	32.8	-	100.0	12,897	2.52	6.7	169.6	43.74
District No 1 West Virginia	48.7	33.3	-	13,047	1.22	7.9	214.3	55.93
District No 2 Pennsylvania	114.9	-	100.0	13,222	1.38	6.5	174.5	46.14
District No 3 West Virginia	1,003.6	.2	80.8	13,373	2.47	7.2	176.6	47.25
District No 8 Virginia	9.7	33.3	-	12,993	1.10	8.3	198.7	51.63
Imported Coal Canada	51.9	-	100.0	13,403	1.99	5.3	172.7	46.29
Mid Atlantic	**51,531.7**	**38.5**	**23.5**	**12,403**	**2.02**	12.7	**148.8**	**36.92**
New Jersey	**2,476.8**	**25.7**	**15.9**	**13,324**	**1.28**	7.7	**171.7**	**45.75**
District No 2 Pennsylvania	21.0	100.0	100.0	12,967	2.04	8.0	178.1	46.18
District No 3 West Virginia	1,307.7	40.7	8.3	13,108	1.66	8.8	171.3	44.91
District No 7 West Virginia	1.0	-	100.0	13,273	.62	9.7	159.1	42.23
District No 8 Kentucky	19.9	-	100.0	12,917	.74	7.4	172.1	44.47
District No 8 Virginia	888.0	6.4	13.0	13,716	.83	5.9	172.4	47.29
District No 8 West Virginia	239.2	11.6	53.7	13,109	.81	7.9	170.6	44.74
New York	**8,562.3**	**45.8**	**39.9**	**12,814**	**1.72**	**9.6**	**158.1**	**40.52**
District No 1 Maryland	7.5	-	100.0	12,772	1.73	10.9	143.9	36.76
District No 1 Pennsylvania	3,199.2	96.2	80.5	12,326	1.80	12.7	145.6	35.90
District No 2 Pennsylvania	1,774.4	38.2	30.3	13,132	1.70	7.0	153.3	40.26
District No 3 West Virginia	2,057.8	.3	6.5	13,137	2.38	8.1	155.4	40.83
District No 4 Ohio	158.2	100.0	100.0	12,765	1.66	8.7	152.6	38.96
District No 8 Kentucky	706.2	-	-	13,107	.53	8.0	197.4	51.75
District No 8 West Virginia	659.1	-	-	13,021	.62	8.2	196.1	51.06
Pennsylvania	**40,492.6**	**37.7**	**20.6**	**12,260**	**2.13**	**13.6**	**145.3**	**35.62**
District No 1 Pennsylvania	24,800.0	45.4	21.0	12,278	1.82	14.5	149.3	36.67
District No 2 Pennsylvania	4,167.8	56.7	41.4	12,437	2.01	11.3	136.6	33.97
District No 3 West Virginia	5,704.2	12.1	12.2	12,687	2.20	10.2	137.7	34.94
District No 4 Ohio	2,434.0	8.4	2.3	12,066	3.90	12.0	146.1	35.25
District No 6 West Virginia	2,615.4	-	-	12,045	3.96	12.1	147.4	35.50
District No 7 West Virginia	7.0	47.6	100.0	12,424	1.47	12.5	95.5	23.74
District No 8 Kentucky	13.1	100.0	-	12,282	.98	9.1	189.1	43.45
District No 8 West Virginia	26.0	84.6	100.0	12,757	1.53	10.1	137.4	35.06
Anthracite Coal Pennsylvania	725.0	97.9	84.8	8,656	.57	33.1	92.9	16.08
East North Central	**155,300.1**	**65.3**	**19.2**	**11,127**	**1.83**	**9.0**	**160.4**	**35.70**
Illinois	**26,920.5**	**59.8**	**6.0**	**10,636**	**1.90**	**8.5**	**190.6**	**40.53**
District No 8 Kentucky	1,302.8	35.4	23.7	13,074	.69	6.7	163.8	42.82
District No 8 West Virginia	357.9	34.3	30.9	13,102	.69	6.8	169.2	44.34
District No 9 Kentucky	1,114.8	65.9	24.1	11,659	2.21	8.7	133.1	31.05
District No 10 Illinois	14,351.0	34.7	5.2	10,886	2.94	10.0	153.2	33.35
District No 11 Indiana	1,210.7	100.0	14.8	11,158	1.41	8.8	135.6	30.26
District No 19 Wyoming	5,854.0	100.0	-	9,524	.42	7.0	291.0	55.43
District No 22 Montana	2,729.2	100.0	.3	9,569	.39	4.3	278.0	53.20
Indiana	**36,414.4**	**71.8**	**15.7**	**10,834**	**2.26**	**9.0**	**143.2**	**31.03**
District No 4 Ohio	11.5	100.0	100.0	11,560	2.89	9.7	106.6	24.64
District No 6 West Virginia	2.0	-	-	12,260	4.04	9.9	152.8	37.47
District No 7 Virginia	7.1	-	100.0	14,215	.79	4.1	158.1	44.95
District No 8 Kentucky	729.5	44.5	23.0	12,712	.69	7.6	210.7	53.56
District No 8 Virginia	167.5	12.8	100.0	13,791	.73	6.8	163.1	44.99
District No 8 West Virginia	379.2	11.7	94.1	12,863	.73	8.4	173.7	44.69
District No 9 Kentucky	3,085.2	65.3	31.4	11,699	3.39	11.1	112.0	26.20
District No 10 Illinois	9,000.7	21.6	5.6	10,846	2.61	10.5	164.9	35.78
District No 11 Indiana	17,332.0	99.3	14.0	11,121	2.65	9.3	125.0	27.81

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 48. Destination and Origin of Coal Received by Bureau of Mines District and State, 1988 (Continued)

Census Division **State of Destination** BOM District and State of Origin	**Receipts (1,000 short tons)**	**Percent of Receipts**		**Average Quality**			**Average Delivered Cost**	
		Surface	**Spot**	**Btu (per pound)**	**Sulfur (percent by weight)**	**Ash (percent by weight)**	**(cents per million btu)**	**(dollars per short ton)**
East North Central								
Indiana								
District No 13 Alabama	4.8	-	100.0	13,000	0.60	9.0	157.7	41.00
District No 17 Colorado	294.8	-	-	11,519	.39	6.3	298.2	68.71
District No 19 Wyoming	4,934.1	83.4	22.5	8,801	.38	5.1	155.7	27.40
District No 22 Montana	466.1	100.0	-	9,574	.39	4.3	283.7	54.33
Michigan	**28,343.9**	**64.1**	**23.1**	**11,612**	**.72**	**7.0**	**175.7**	**40.80**
District No 1 Pennsylvania	103.0	100.0	10.7	12,811	2.60	8.5	179.6	46.02
District No 2 Pennsylvania	1,765.9	6.7	36.3	13,002	1.20	7.2	164.8	42.85
District No 3 West Virginia	21.0	-	100.0	12,958	1.20	9.1	142.6	36.96
District No 4 Ohio	148.8	100.0	25.5	11,549	3.28	10.3	184.7	42.65
District No 7 Virginia	578.0	4.5	-	13,402	1.24	7.0	171.4	45.95
District No 8 Kentucky	10,017.1	51.8	20.9	12,650	.82	8.6	191.5	48.44
District No 8 West Virginia	5,470.5	43.8	38.7	12,985	.78	8.2	176.1	45.74
District No 10 Illinois	48.0	-	100.0	12,813	1.03	6.8	137.4	35.21
District No 11 Indiana	159.9	100.0	53.7	10,902	2.53	10.5	160.0	34.89
District No 19 Wyoming	156.8	100.0	100.0	8,907	.39	4.9	129.8	23.11
District No 22 Montana	9,874.9	100.0	13.7	9,479	.38	4.4	158.0	29.96
Ohio	**46,008.5**	**56.8**	**30.5**	**11,895**	**2.47**	**11.4**	**152.2**	**36.22**
District No 1 Pennsylvania	392.7	75.8	89.6	12,815	2.47	9.3	127.4	32.64
District No 2 Pennsylvania	2,993.7	74.9	29.1	12,473	2.08	10.9	135.2	33.72
District No 3 West Virginia	331.6	31.8	100.0	12,846	2.02	9.2	127.4	32.74
District No 4 Ohio	22,651.5	59.7	24.2	11,703	3.30	11.1	154.3	36.12
District No 6 West Virginia	3,123.0	.5	-	12,167	3.69	10.0	154.2	37.52
District No 7 West Virginia	24.4	100.0	55.4	12,158	.77	10.9	139.3	33.86
District No 8 Kentucky	7,944.7	62.2	39.8	11,762	1.33	12.7	157.9	37.15
District No 8 West Virginia	8,040.0	58.4	42.0	12,196	.93	12.0	152.4	37.18
District No 9 Kentucky	357.5	40.8	82.9	11,586	2.51	8.2	102.1	23.67
District No 11 Indiana	149.4	100.0	100.0	10,907	2.97	10.3	94.8	20.69
Wisconsin	**17,612.8**	**83.9**	**10.5**	**9,693**	**.90**	**6.5**	**146.4**	**28.39**
District No 2 Pennsylvania	1,151.0	23.2	-	13,095	1.59	7.5	160.2	41.96
District No 3 West Virginia	113.0	-	100.0	13,266	2.43	7.3	136.6	36.24
District No 7 Virginia	7.1	-	100.0	13,997	.76	4.6	180.9	50.63
District No 8 Kentucky	158.7	57.2	100.0	12,869	.87	7.7	162.8	41.91
District No 8 West Virginia	34.0	-	100.0	13,507	1.40	6.9	159.1	42.97
District No 9 Kentucky	51.0	100.0	-	12,189	1.46	6.4	138.6	33.79
District No 10 Illinois	2,213.6	29.5	3.8	11,609	1.93	8.2	165.6	38.45
District No 11 Indiana	2,137.8	96.6	4.6	11,215	1.99	8.8	171.7	38.51
District No 17 New Mexico	9.7	-	100.0	12,965	.37	8.6	212.7	55.23
District No 19 Wyoming	9,600.3	99.0	12.4	8,588	.35	5.1	127.8	21.95
District No 22 Montana	2,136.6	100.0	7.7	8,742	.71	8.4	157.1	27.46
West North Central	**99,539.9**	**92.4**	**7.5**	**8,710**	**1.01**	**7.8**	**115.4**	**20.11**
Iowa	**13,973.7**	**90.5**	**11.1**	**9,211**	**.80**	**6.0**	**123.5**	**22.74**
District No 9 Kentucky	33.7	100.0	100.0	12,155	3.51	11.0	118.8	28.88
District No 10 Illinois	2,034.1	35.4	19.0	11,472	2.57	8.1	145.4	33.36
District No 11 Indiana	505.2	100.0	45.7	11,037	2.53	9.3	116.9	25.80
District No 12 Iowa	95.0	89.8	11.6	10,327	2.27	9.1	134.3	27.75
District No 15 Missouri	9.0	100.0	-	10,621	2.86	8.0	126.6	26.89
District No 19 Wyoming	11,296.0	100.0	7.8	8,703	.38	5.4	118.5	20.63
District No 22 Montana	.7	100.0	100.0	9,500	.40	4.7	89.8	17.06
Kansas	**14,796.1**	**92.8**	**11.9**	**8,978**	**.69**	**6.1**	**123.9**	**22.25**
District No 10 Illinois	1,211.7	14.0	54.1	11,549	2.52	9.8	144.6	33.40
District No 15 Kansas	314.9	100.0	11.2	9,515	4.58	23.6	126.9	24.15
District No 15 Missouri	92.9	100.0	-	9,144	4.84	25.3	128.0	23.41
District No 15 Oklahoma	58.5	100.0	100.0	11,556	.40	11.7	155.9	36.03
District No 19 Wyoming	13,120.1	99.9	7.7	8,715	.40	5.1	121.1	21.10
Minnesota	**15,450.6**	**99.2**	**4.1**	**8,738**	**.60**	**7.6**	**119.6**	**20.91**
District No 10 Illinois	122.6	-	13.0	12,106	1.61	7.0	189.1	45.79
District No 11 Indiana	71.9	100.0	100.0	10,646	1.68	10.5	147.6	31.43
District No 19 Wyoming	5,150.1	100.0	-	8,814	.27	5.0	108.7	19.17
District No 21 North Dakota	37.0	100.0	-	6,974	.82	7.5	175.7	24.51
District No 22 Montana	10,069.0	100.0	5.4	8,652	.74	8.8	123.7	21.41
Missouri	**23,958.8**	**79.3**	**10.2**	**10,404**	**2.11**	**8.8**	**138.2**	**28.75**
District No 8 Kentucky	7.0	100.0	100.0	11,000	1.26	12.0	125.5	27.61
District No 9 Kentucky	7.2	97.1	97.1	11,013	2.31	11.9	130.4	28.72
District No 10 Illinois	12,574.7	62.0	3.6	11,145	2.26	9.8	159.7	35.60

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 48. Destination and Origin of Coal Received by Bureau of Mines District and State, 1988 (Continued)

Census Division State of Destination BOM District and State of Origin	Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
		Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million btu)	(dollars per short ton)
West North Central								
Missouri								
District No 11 Indiana	49.0	91.8	91.8	11,071	1.17	10.6	126.1	27.92
District No 15 Kansas	241.3	100.0	40.2	12,143	3.60	12.8	126.9	30.82
District No 15 Missouri	3,672.5	100.0	1.7	10,594	4.45	11.6	129.7	27.47
District No 15 Oklahoma	603.0	100.0	19.8	12,361	3.97	11.3	128.0	31.66
District No 17 Colorado	71.0	-	-	11,489	.61	7.4	137.7	31.65
District No 19 Wyoming	6,733.2	98.4	24.5	8,662	.36	5.2	94.1	16.31
Nebraska	**7,485.3**	**98.9**	**11.3**	**8,619**	**.36**	**5.0**	**84.1**	**14.49**
District No 17 Colorado	79.0	-	-	12,308	.69	7.3	179.5	44.18
District No 19 Wyoming	7,405.9	100.0	11.4	8,580	.36	5.0	82.6	14.18
District No 22 Montana	.4	100.0	100.0	9,427	.31	4.9	88.7	16.72
North Dakota	**21,713.9**	**100.0**	**.6**	**6,584**	**.70**	**9.0**	**70.3**	**9.26**
District No 21 North Dakota	21,713.9	100.0	.6	6,584	.70	9.0	70.3	9.26
South Dakota	**2,159.5**	**100.0**	**6.7**	**6,338**	**.90**	**8.0**	**121.4**	**15.39**
District No 19 Wyoming	.5	100.0	100.0	8,625	.29	4.7	203.4	35.08
District No 21 North Dakota	2,015.0	100.0	-	6,167	.92	8.0	122.4	15.09
District No 22 Montana	144.0	100.0	100.0	8,731	.63	8.6	111.5	19.47
South Atlantic	**120,975.9**	**42.4**	**18.7**	**12,478**	**1.51**	**10.1**	**166.5**	**41.54**
Delaware	**2,524.6**	**25.5**	**24.2**	**12,901**	**1.08**	**9.1**	**180.6**	**46.60**
District No 1 Pennsylvania	673.2	87.9	22.6	12,653	1.78	10.9	170.4	43.12
District No 2 Pennsylvania	18.1	100.0	95.5	12,828	.98	9.5	156.0	40.02
District No 3 West Virginia	1,171.1	2.2	12.8	13,153	.90	8.3	186.2	48.99
District No 8 Kentucky	110.0	-	79.1	12,534	.71	8.6	177.0	44.37
District No 9 West Virginia	552.2	1.4	37.2	12,746	.70	8.8	182.2	46.46
Florida	**23,770.2**	**38.1**	**23.1**	**12,424**	**1.75**	**8.5**	**177.7**	**44.16**
District No 3 West Virginia	739.0	-	9.8	13,112	2.52	8.2	155.4	40.75
District No 8 Kentucky	9,499.5	59.4	13.0	12,814	1.01	7.8	189.6	48.60
District No 8 Virginia	1,040.0	-	18.7	12,695	.71	8.8	211.5	53.71
District No 8 West Virginia	1,911.0	59.7	22.5	12,335	.80	11.4	179.7	44.34
District No 9 Kentucky	5,017.8	23.0	58.1	12,258	2.92	9.1	146.6	35.95
District No 10 Illinois	4,354.9	1.4	2.9	11,720	2.73	8.5	191.8	44.96
District No 11 Indiana	91.1	100.0	100.0	11,043	2.79	9.3	118.6	26.19
District No 13 Alabama	145.6	-	100.0	11,961	2.87	11.9	114.3	27.33
District No 15 Oklahoma	53.3	100.0	100.0	12,582	.69	7.2	202.0	50.84
Imported Coal Australia	38.4	100.0	100.0	12,415	.66	9.3	154.4	38.34
Imported Coal Columbia S.A.	686.9	100.0	-	11,838	.70	6.7	144.4	34.19
Imported Coal Venezuela S.A.	192.8	100.0	100.0	13,302	.49	3.6	137.6	36.62
Georgia	**25,135.2**	**58.5**	**14.8**	**12,173**	**1.70**	**10.1**	**174.7**	**42.53**
District No 7 Virginia	8.6	-	100.0	14,244	.75	4.4	157.0	44.73
District No 8 Kentucky	11,141.5	77.6	21.0	12,305	1.47	10.6	163.2	40.17
District No 8 Tennessee	1,370.6	32.7	4.7	12,619	1.21	9.9	189.6	47.86
District No 8 Virginia	3,681.0	41.6	23.2	12,926	1.30	9.7	164.7	42.58
District No 8 West Virginia	1,598.5	1.2	6.4	12,131	.68	11.6	226.6	54.97
District No 9 Kentucky	1,754.6	91.9	20.2	11,779	2.89	10.1	154.8	36.47
District No 10 Illinois	5,580.4	43.7	-	11,434	2.49	8.9	193.5	44.24
Maryland	**8,853.9**	**68.0**	**22.3**	**12,725**	**1.44**	**10.8**	**157.6**	**40.12**
District No 1 Maryland	1,220.6	67.9	11.5	12,835	1.57	11.6	162.7	41.76
District No 1 Pennsylvania	2,775.0	99.8	4.2	12,500	1.79	12.7	168.6	42.14
District No 1 West Virginia	130.2	-	100.0	12,776	1.59	11.0	151.4	38.70
District No 3 West Virginia	3,758.1	38.9	41.0	12,878	1.33	9.2	147.5	37.98
District No 8 Kentucky	320.0	95.6	4.4	13,063	.78	8.6	131.8	42.28
District No 8 West Virginia	650.0	100.0	4.8	12,413	.67	11.5	161.0	39.96
North Carolina	**16,795.3**	**40.4**	**5.9**	**12,575**	**.92**	**10.0**	**177.5**	**44.65**
District No 8 Kentucky	7,857.1	43.9	9.5	12,608	.97	8.7	181.6	45.80
District No 8 Tennessee	226.8	.3	.4	12,936	1.39	7.9	189.2	48.96
District No 8 Virginia	4,064.9	59.5	3.6	12,743	1.00	10.8	169.0	43.08
District No 8 West Virginia	4,646.5	20.0	2.1	12,354	.76	11.5	177.6	43.88
South Carolina	**9,001.9**	**40.8**	**30.5**	**12,675**	**1.17**	**9.5**	**176.0**	**44.63**
District No 8 Kentucky	7,841.5	38.5	30.3	12,609	1.14	9.5	178.9	45.11
District No 8 Tennessee	169.2	-	92.3	12,774	1.51	8.2	148.5	37.94
District No 8 Virginia	929.7	70.7	23.3	13,223	1.40	9.1	156.9	41.49
District No 8 West Virginia	61.5	-	-	12,615	.98	12.5	195.7	49.36
Virginia	**7,458.6**	**47.0**	**39.7**	**12,800**	**.91**	**9.3**	**155.1**	**39.72**
District No 3 West Virginia	7.0	-	100.0	13,258	1.37	6.5	148.8	39.46
District No 7 Virginia	277.9	8.1	2.4	12,965	.85	9.9	188.5	48.89

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 48. Destination and Origin of Coal Received by Bureau of Mines District and State, 1988 (Continued)

Census Division State of Destination BOM District and State of Origin	Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
		Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million btu)	(dollars per short ton)
South Atlantic								
Virginia								
District No 7 West Virginia	4.8	62.5	100.0	12,747	0.76	9.6	140.2	35.75
District No 8 Kentucky	2,021.6	47.6	57.5	12,803	1.07	8.3	152.9	39.15
District No 8 Virginia	3,066.0	36.0	21.4	12,818	.92	10.0	153.8	39.44
District No 8 West Virginia	2,081.3	67.7	50.4	12,745	.76	9.2	154.8	39.46
West Virginia	**27,436.3**	**25.3**	**15.2**	**12,473**	**1.80**	**11.6**	**144.1**	**35.95**
District No 1 Maryland	1,122.0	41.9	30.5	12,412	1.66	13.7	120.8	29.98
District No 1 West Virginia	3,223.0	17.2	16.4	12,456	1.75	12.7	139.0	34.62
District No 2 Pennsylvania	193.0	4.9	88.6	13,043	1.42	6.5	122.9	32.05
District No 3 West Virginia	11,608.8	20.5	13.6	12,575	2.36	11.5	135.7	34.14
District No 4 Ohio	179.3	16.1	100.0	12,097	3.83	10.9	85.6	20.72
District No 6 West Virginia	1,560.5	.6	.6	12,022	3.96	13.1	127.4	30.63
District No 8 Kentucky	469.1	96.3	10.3	12,329	.68	9.4	180.9	44.60
District No 8 West Virginia	9,080.6	33.5	14.5	12,436	.78	11.2	162.1	40.32
East South Central	**73,868.0**	**51.2**	**22.9**	**11,912**	**2.07**	**11.1**	**148.4**	**35.36**
Alabama	**19,894.6**	**59.2**	**12.5**	**12,164**	**1.49**	**11.8**	**194.7**	**47.37**
District No 4 Ohio	2,650.5	100.0	-	11,673	2.28	11.5	205.2	47.91
District No 8 Kentucky	541.4	44.9	13.2	12,373	.96	9.6	148.8	36.82
District No 8 Tennessee	28.6	85.4	100.0	11,925	1.34	12.1	134.7	32.12
District No 8 Virginia	39.7	100.0	100.0	13,146	1.63	8.5	144.8	38.07
District No 9 Kentucky	1,115.4	33.1	61.6	11,933	3.01	12.3	120.9	28.86
District No 10 Illinois	211.6	-	100.0	11,582	2.11	8.0	102.4	23.72
District No 13 Alabama	14,580.2	57.0	8.3	12,254	1.28	11.9	205.2	50.30
District No 13 Tennessee	727.2	21.2	32.2	12,469	.75	12.3	123.7	30.86
Kentucky	**29,344.4**	**53.5**	**35.2**	**11,528**	**2.55**	**12.2**	**119.8**	**27.61**
District No 2 Pennsylvania	44.3	100.0	-	10,996	2.50	18.0	156.7	34.46
District No 4 Ohio	277.1	94.6	50.5	11,239	2.64	12.5	126.0	28.32
District No 8 Kentucky	7,913.9	68.9	53.7	12,130	1.10	11.0	133.6	32.41
District No 8 Tennessee	243.2	-	95.9	12,501	2.92	10.9	100.9	25.24
District No 8 West Virginia	2,633.0	65.9	70.9	12,247	.88	11.4	118.8	29.09
District No 9 Kentucky	15,167.6	34.1	17.8	11,128	3.64	13.8	113.1	25.17
District No 10 Illinois	19.3	-	100.0	12,662	.76	8.2	113.6	28.76
District No 11 Indiana	3,025.9	100.0	37.0	11,283	2.37	8.3	115.4	26.04
Mississippi	**4,870.3**	**37.3**	**34.5**	**12,664**	**1.40**	**7.7**	**181.2**	**45.88**
District No 8 Kentucky	2,667.7	4.6	20.4	12,877	.77	7.4	195.7	50.40
District No 8 Virginia	64.2	3.3	100.0	13,458	.71	6.5	166.7	44.86
District No 8 West Virginia	467.4	15.0	70.7	12,562	1.21	8.7	165.2	41.50
District No 9 Kentucky	814.5	100.0	47.1	12,229	2.52	7.6	164.3	40.18
District No 10 Illinois	840.5	94.4	40.5	12,406	2.45	8.2	160.2	39.76
District No 13 Alabama	16.0	100.0	100.0	12,554	2.45	11.2	153.0	38.41
Tennessee	**19,758.7**	**43.1**	**12.2**	**12,045**	**2.08**	**9.5**	**133.5**	**32.17**
District No 3 West Virginia	314.4	-	-	12,293	2.70	12.6	138.5	34.06
District No 8 Kentucky	5,698.2	52.6	9.7	11,953	1.32	11.5	148.2	35.43
District No 8 Tennessee	1,740.5	12.4	18.5	12,490	1.37	10.2	113.6	28.38
District No 8 Virginia	1,264.4	5.4	10.5	13,249	1.54	7.9	125.9	33.35
District No 9 Kentucky	9,555.7	54.8	3.4	11,879	2.73	8.5	132.8	31.56
District No 10 Illinois	1,185.5	-	69.5	11,812	1.90	7.6	106.6	25.24
West South Central	**117,143.6**	**99.5**	**5.5**	**7,717**	**.60**	**10.1**	**149.5**	**23.08**
Arkansas	**11,907.1**	**100.0**	**1.9**	**8,664**	**.35**	**5.6**	**158.5**	**27.47**
District No 14 Arkansas	221.8	100.0	100.0	6,679	.54	10.1	118.5	15.83
District No 19 Wyoming	11,685.3	100.0	-	8,702	.34	5.5	159.1	27.69
Louisiana	**12,077.8**	**98.2**	**7.9**	**8,192**	**.51**	**7.4**	**155.5**	**25.48**
District No 8 West Virginia	218.3	-	-	12,909	.66	7.8	179.7	46.38
District No 15 Louisiana	2,968.8	100.0	-	6,935	.56	11.6	125.7	17.44
District No 19 Wyoming	8,890.7	100.0	10.7	8,497	.49	5.9	162.7	27.65
Oklahoma	**13,355.2**	**100.0**	**8.3**	**8,912**	**.44**	**5.4**	**148.2**	**26.42**
District No 14 Oklahoma	294.2	100.0	72.3	13,348	1.36	8.2	150.9	40.27
District No 15 Oklahoma	427.1	100.0	66.3	12,698	1.46	8.1	150.0	38.09
District No 19 Wyoming	12,633.8	100.0	4.8	8,680	.38	5.2	148.1	25.70
Texas	**79,803.4**	**99.6**	**5.3**	**7,304**	**.68**	**11.9**	**147.2**	**21.50**
District No 15 Texas	46,326.9	100.0	3.4	6,294	.91	16.8	108.3	13.64
District No 17 Colorado	1,794.8	84.0	15.4	10,827	.37	5.4	211.6	45.83
District No 19 Wyoming	31,069.9	100.0	7.5	8,577	.36	5.2	183.4	31.46
District No 20 Utah	42.6	-	100.0	11,889	.53	8.6	161.9	38.50
District No 22 Montana	569.2	100.0	-	8,571	.42	5.7	234.1	40.14

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 48. Destination and Origin of Coal Received by Bureau of Mines District and State, 1988 (Continued)

Census Division State of Destination BOM District and State of Origin		Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
			Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million btu)	(dollars per short ton)
Mountain		97,183.7	82.3	2.3	9,737	0.54	10.8	109.5	21.32
Arizona		14,121.3	100.0	-	10,650	.50	11.0	140.5	29.92
District No 17	Colorado	538.7	100.0	-	11,997	.37	16.2	169.5	40.68
District No 17	New Mexico	546.1	100.0	-	11,875	.48	15.4	215.6	51.20
District No 18	Arizona	7,168.8	100.0	-	11,034	.49	8.5	98.5	21.74
District No 18	New Mexico	5,867.7	100.0	-	9,943	.53	13.2	185.8	36.95
Colorado		14,949.0	82.0	10.0	9,772	.37	7.0	106.6	20.84
District No 17	Colorado	9,411.0	71.8	15.3	10,467	.40	8.2	106.0	22.19
District No 19	Wyoming	5,498.7	100.0	.7	8,564	.33	4.9	107.8	18.47
District No 20	Utah	39.3	-	45.9	12,208	.43	8.8	117.8	28.76
Montana		10,473.8	100.0	-	8,520	.67	9.4	54.5	9.29
District No 22	Montana	10,473.8	100.0	-	8,520	.67	9.4	54.5	9.29
Nevada		7,886.3	71.3	-	11,080	.50	9.5	136.3	30.21
District No 18	Arizona	5,013.3	100.0	-	11,005	.50	9.9	102.2	22.49
District No 19	Wyoming	607.0	100.0	-	9,571	.48	9.2	193.1	36.96
District No 20	Utah	2,266.0	-	-	11,649	.50	8.8	195.3	45.50
New Mexico		14,521.7	100.0	-	9,036	.77	21.3	117.5	21.24
District No 18	New Mexico	14,521.7	100.0	-	9,036	.77	21.3	117.5	21.24
Utah		12,255.9	-	4.9	11,491	.49	10.6	126.5	29.07
District No 17	Colorado	1,029.0	-	-	10,770	.43	8.5	247.9	53.39
District No 20	Utah	11,226.9	-	5.4	11,557	.49	10.8	116.1	26.85
Wyoming		22,975.7	100.0	.7	8,756	.52	7.8	84.0	14.71
District No 19	Wyoming	22,975.7	100.0	.7	8,756	.52	7.8	84.0	14.71
Pacific		5,855.6	100.0	8.4	8,219	.64	13.5	154.5	25.41
Oregon		234.6	100.0	8.9	8,528	.33	4.7	139.0	23.70
District No 19	Wyoming	234.6	100.0	8.9	8,528	.33	4.7	139.0	23.70
Washington		5,621.0	100.0	8.4	8,206	.66	13.9	155.2	25.48
District No 19	Wyoming	361.0	100.0	47.6	8,745	.29	4.8	125.6	21.98
District No 22	Montana	86.0	100.0	-	9,698	.40	3.8	130.9	25.40
District No 23	Washington	5,174.0	100.0	5.8	8,144	.69	14.7	157.9	25.72
Total		727,775.5	69.5	13.7	10,451	1.32	9.9	146.6	30.64

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, 'Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988

Company Origin State County	Plant	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
			Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Alabama Electric Coop Inc	**Lowman**	**1,192.2**	**12,020**	**1.37**	**12.37**	**159.5**	**38.34**
Alabama		1,050.9	12,064	1.36	12.48	157.3	37.96
Fayette		97.6	12,122	1.91	11.62	140.5	34.06
Jefferson		274.9	12,473	1.50	11.09	146.0	36.43
Marion		549.2	11,827	1.18	13.44	172.8	40.87
Tuscaloosa		123.1	12,217	1.42	12.07	131.0	32.02
Walker		6.2	10,960	.97	11.23	128.2	28.11
Kentucky		141.3	11,692	1.43	11.52	176.0	41.16
Whitley		141.3	11,692	1.43	11.52	176.0	41.16
Alabama Power Co	**Barry**	**664.4**	**12,571**	**.91**	**10.66**	**202.7**	**50.96**
Alabama		639.5	12,584	.91	10.66	205.0	51.60
Jefferson		21.4	11,985	.96	12.10	130.4	31.26
Tuscaloosa		501.4	12,742	.89	10.18	224.2	57.12
Walker		116.7	12,013	.96	12.44	131.5	31.60
Kentucky		12.6	11,977	.90	10.20	140.6	33.68
Lawrence		12.6	11,977	.90	10.20	140.6	33.68
Tennessee		12.2	12,540	.93	11.30	140.6	35.26
Marion		12.2	12,540	.93	11.30	140.6	35.26
Alabama Power Co	**Gadsden**	**105.5**	**12,805**	**1.87**	**11.00**	**194.2**	**49.75**
Alabama		105.5	12,805	1.87	11.00	194.2	49.75
Blount		.6	13,040	1.00	11.30	130.4	34.01
Jefferson		102.1	12,825	1.89	10.92	196.3	50.35
St Clair		2.8	12,040	1.42	13.50	129.2	31.11
Alabama Power Co	**Gaston**	**3,809.6**	**12,280**	**1.93**	**11.45**	**199.3**	**48.94**
Alabama		3,749.7	12,273	1.94	11.49	200.2	49.13
Fayette		1,177.8	12,120	2.22	10.70	230.4	55.86
Jefferson		1,366.2	12,489	1.95	11.34	189.6	47.35
Tuscaloosa		52.6	12,076	2.12	12.27	129.3	31.22
Walker		1,153.0	12,182	1.62	12.42	185.5	45.19
Tennessee		20.2	11,915	1.62	11.52	143.1	34.10
Claiborne		20.2	11,915	1.62	11.52	143.1	34.10
Virginia		39.7	13,146	1.63	8.46	144.8	38.07
Wise		39.7	13,146	1.63	8.46	144.8	38.07
Alabama Power Co	**Gorgas 2 and 3**	**4,917.3**	**12,013**	**1.10**	**12.89**	**190.2**	**45.71**
Alabama		4,917.3	12,013	1.10	12.89	190.2	45.71
Jefferson		988.7	12,395	1.50	11.32	218.9	54.26
Lamar		130.9	12,149	1.38	12.33	236.4	57.44
Marion		7.6	11,812	2.08	14.05	108.9	25.72
Tuscaloosa		98.3	12,442	1.76	11.13	174.5	43.42
Walker		3,685.5	11,895	.97	13.37	181.3	43.13
Winston		6.3	11,858	.97	11.90	123.5	29.28
Alabama Power Co	**Greene**	**1,401.8**	**12,489**	**1.59**	**11.28**	**187.9**	**46.94**
Alabama		1,389.7	12,498	1.59	11.25	188.5	47.11
Jefferson		335.8	12,162	1.45	12.36	160.1	38.95
Tuscaloosa		979.2	12,641	1.62	10.78	202.7	51.24
Walker		74.7	12,126	1.88	12.29	122.2	29.64
Tennessee		12.1	11,542	1.36	15.50	120.8	27.89
Marion		12.1	11,542	1.36	15.50	120.8	27.89
Alabama Power Co	**James Miller**	**2,727.6**	**12,514**	**.57**	**11.09**	**264.8**	**66.27**
Alabama		2,727.6	12,514	.57	11.09	264.8	66.27
Jefferson		1,992.1	12,552	.54	11.34	249.2	62.57
Walker		735.5	12,411	.64	10.42	307.3	76.28
Alamito Co	**Springerville**	**1,249.5**	**9,565**	**.78**	**13.85**	**185.8**	**35.55**
New Mexico		1,249.5	9,565	.78	13.85	185.8	35.55
Mckinley		1,249.5	9,565	.78	13.85	185.8	35.55
Ames City of	**Ames**	**199.5**	**8,802**	**.22**	**4.76**	**121.8**	**21.45**
Wyoming		199.5	8,802	.22	4.76	121.8	21.45
Campbell		199.5	8,802	.22	4.76	121.8	21.45
Appalachian Power Co	**Amos**	**4,880.4**	**12,405**	**.74**	**11.34**	**165.5**	**41.06**

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Origin State County	Plant	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
			Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Appalachian Power Co	**Amos**						
West Virginia		4,880.4	12,405	0.74	11.34	165.5	41.06
Boone		3,624.0	12,447	.74	11.05	162.3	40.40
Logan		1,256.4	12,285	.73	12.19	174.9	42.99
Appalachian Power Co	**Clinch River**	**1,234.3**	**12,636**	**.75**	**12.26**	**143.5**	**36.25**
Virginia		1,218.1	12,638	.75	12.30	143.9	36.33
Buchanan		65.6	13,070	.80	8.84	183.4	47.95
Lee		6.7	12,370	.95	9.69	109.6	27.12
Russell		1,139.5	12,616	.74	12.51	141.9	35.81
Wise		6.3	12,425	.99	12.20	110.4	27.43
West Virginia		16.2	12,526	.84	9.10	108.4	27.16
Mingo		16.2	12,526	.84	9.10	108.4	27.16
Appalachian Power Co	**Glen Lyn**	**307.9**	**12,949**	**.84**	**9.74**	**168.4**	**43.62**
Virginia		212.3	12,932	.86	10.23	190.1	49.18
Buchanan		205.5	12,937	.87	10.20	192.4	49.77
Tazewell		6.8	12,808	.71	11.16	122.2	31.30
West Virginia		95.6	12,985	.79	8.66	120.5	31.28
Mcdowell		1.8	12,792	.73	11.30	122.2	31.26
Mingo		22.0	12,734	.74	9.29	118.5	30.17
Wyoming		71.8	13,066	.80	8.40	121.0	31.62
Appalachian Power Co	**Kanawha River**	**535.6**	**12,490**	**.81**	**11.38**	**140.9**	**35.21**
West Virginia		535.6	12,490	.81	11.38	140.9	35.21
Clay		151.6	12,386	.81	11.58	132.0	32.70
Fayette		148.7	12,959	.83	9.73	154.5	40.04
Kanawha		83.7	12,033	.74	13.59	148.4	35.72
Nicholas		151.6	12,386	.81	11.58	132.0	32.70
Appalachian Power Co	**Mountaineer**	**1,999.5**	**12,584**	**.70**	**10.53**	**166.3**	**41.86**
West Virginia		1,999.5	12,584	.70	10.53	166.3	41.86
Boone		1,400.3	12,640	.70	10.29	162.6	41.12
Fayette		4.6	12,389	.63	9.30	115.9	28.72
Kanawha		41.5	12,115	.64	11.60	111.7	27.06
Logan		552.2	12,477	.69	11.09	180.3	45.00
Unknown		.9	12,301	.64	10.90	111.2	27.36
Arizona Electric Pwr Coop Inc	**Apache**	**609.2**	**11,984**	**.38**	**16.08**	**170.1**	**40.77**
Colorado		538.7	11,997	.37	16.18	169.5	40.68
Las Animas		538.7	11,997	.37	16.18	169.5	40.68
New Mexico		70.5	11,886	.40	15.33	174.5	41.49
Colfax		70.5	11,886	.40	15.33	174.5	41.49
Arizona Public Service Co	**Cholla**	**2,812.0**	**10,026**	**.46**	**12.97**	**158.8**	**31.84**
New Mexico		2,812.0	10,026	.46	12.97	158.8	31.84
Mckinley		2,812.0	10,026	.46	12.97	158.8	31.84
Arizona Public Service Co	**Four Corners**	**8,773.8**	**8,710**	**.78**	**22.01**	**94.3**	**16.43**
New Mexico		8,773.8	8,710	.78	22.01	94.3	16.43
San Juan		8,773.8	8,710	.78	22.01	94.3	16.43
Arkansas Power & Light Co	**Independence**	**5,125.4**	**8,829**	**.21**	**5.02**	**152.9**	**26.99**
Wyoming		5,125.4	8,829	.21	5.02	152.9	26.99
Campbell		5,125.4	8,829	.21	5.02	152.9	26.99
Arkansas Power & Light Co	**Whitebluff**	**5,058.7**	**8,573**	**.49**	**6.41**	**166.7**	**28.59**
Wyoming		4,836.9	8,660	.49	6.24	168.4	29.18
Campbell		4,836.9	8,660	.49	6.24	168.4	29.18
Associated Electric Coop Inc	**Hill**	**3,142.5**	**10,614**	**4.22**	**9.58**	**133.5**	**28.33**
Missouri		3,142.5	10,614	4.22	9.58	133.5	28.33
Randolph		3,142.5	10,614	4.22	9.58	133.5	28.33
Associated Electric Coop Inc	**Madrid**	**1,883.9**	**10,767**	**3.25**	**10.70**	**136.4**	**29.37**
Illinois		1,883.9	10,767	3.25	10.70	136.4	29.37
Gallatin		3.0	11,948	2.96	9.40	158.4	37.85
Randolph		1,880.9	10,765	3.25	10.70	136.4	29.36
Atlantic City Electric Co	**England**	**622.0**	**13,118**	**2.61**	**9.39**	**170.8**	**44.81**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Atlantic City Electric Co England						
Pennsylvania	21.0	12,967	2.04	8.03	178.1	46.18
Armstrong	7.0	13,192	2.18	8.10	163.9	43.24
Butler	7.0	12,432	2.14	10.20	186.9	46.47
Mercer	7.0	13,276	1.80	5.80	183.9	48.83
Virginia	5.0	13,283	1.36	8.00	196.7	52.26
Wise	5.0	13,283	1.36	8.00	196.7	52.26
West Virginia	596.0	13,122	2.64	9.45	170.3	44.70
Barbour	344.0	13,107	2.65	9.63	171.1	44.84
Gilmer	8.0	12,924	2.61	9.80	179.2	46.32
Harrison	119.0	13,119	2.69	9.51	171.0	44.87
Marion	101.0	13,149	2.61	9.48	168.8	44.40
Monongalia	22.0	13,300	2.37	8.13	156.6	41.65
Webster	2.0	13,283	1.36	8.00	196.4	52.18
Baltimore Gas & Electric Co Crane	**632.0**	**13,307**	**2.19**	**7.08**	**156.2**	**41.58**
Pennsylvania	7.0	13,191	1.95	9.60	154.4	40.73
Jefferson	7.0	13,191	1.95	9.60	154.4	40.73
West Virginia	625.0	13,309	2.19	7.05	156.3	41.59
Barbour	185.0	13,251	2.02	6.92	154.8	41.04
Marion	131.0	13,321	2.26	7.60	156.1	41.60
Monongalia	309.0	13,338	2.26	6.90	157.1	41.92
Baltimore Gas & Electric Co Brandon Shores	**1,485.0**	**12,712**	**.72**	**10.19**	**159.3**	**40.50**
Kentucky	320.0	13,063	.78	8.56	161.8	42.28
Letcher	306.0	13,052	.78	8.69	162.6	42.43
Pike	14.0	13,304	.72	5.75	145.8	38.81
West Virginia	1,165.0	12,616	.71	10.64	158.6	40.01
Boone	330.0	12,598	.66	10.66	162.3	40.90
Logan	320.0	12,222	.68	12.35	159.5	38.98
Nicholas	72.0	12,981	.77	8.42	151.5	39.34
Randolph	51.0	12,770	.67	9.62	153.2	39.12
Webster	392.0	12,868	.76	9.76	156.8	40.35
Baltimore Gas & Electric Co Wagner	**1,078.0**	**13,038**	**.83**	**8.49**	**153.4**	**40.00**
West Virginia	1,073.0	13,038	.83	8.49	153.4	40.00
Nicholas	850.0	13,026	.85	8.56	153.6	40.02
Randolph	20.0	12,898	.91	8.75	153.1	39.49
Webster	208.0	13,102	.73	8.16	152.5	39.95
Basin Electric Power Coop Laramie River	**7,127.7**	**8,395**	**.36**	**5.70**	**70.4**	**11.82**
Wyoming	7,127.7	8,395	.36	5.70	70.4	11.82
Campbell	7,127.7	8,395	.36	5.70	70.4	11.82
Basin Electric Power Coop Antelope Valley	**5,346.3**	**6,622**	**.64**	**8.86**	**61.3**	**8.12**
North Dakota	5,346.3	6,622	.64	8.86	61.3	8.12
Mercer	5,346.3	6,622	.64	8.86	61.3	8.12
Basin Electric Power Coop Leland Olds	**2,392.6**	**6,738**	**.76**	**7.69**	**93.3**	**12.57**
North Dakota	2,392.6	6,738	.76	7.69	93.3	12.57
Mercer	2,356.0	6,743	.76	7.71	93.3	12.58
Ward	36.6	6,392	.31	6.43	94.3	12.05
Big Rivers Electric Corp D B Wilson	**1,325.7**	**11,266**	**3.94**	**14.61**	**135.3**	**30.50**
Kentucky	1,325.7	11,266	3.94	14.61	135.3	30.50
Hopkins	1,325.7	11,266	3.94	14.61	135.3	30.50
Big Rivers Electric Corp R D Green	**1,467.3**	**10,566**	**3.60**	**15.09**	**116.3**	**24.58**
Indiana	32.2	11,411	3.21	8.36	108.1	24.67
Daviess	32.2	11,411	3.21	8.36	108.1	24.67
Kentucky	1,435.1	10,547	3.60	15.24	116.5	24.58
Daviess	18.2	11,399	3.83	7.90	109.6	24.99
Henderson	1,028.1	10,134	3.58	16.52	111.5	22.60
Webster	388.8	11,600	3.67	12.22	128.4	29.80
Big Rivers Electric Corp Coleman	**1,238.1**	**11,297**	**2.38**	**8.73**	**118.5**	**26.78**
Indiana	777.1	11,421	2.39	8.17	123.6	28.23
Daviess	691.2	11,446	2.38	8.14	128.0	29.29
Dubois	79.9	11,236	2.49	8.34	87.6	19.69
Gibson	6.0	10,904	2.10	9.20	87.6	19.10

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Big Rivers Electric Corp **Coleman**						
Kentucky	461.0	11,089	2.37	9.67	109.7	24.33
Daviess	461.0	11,089	2.37	9.67	109.7	24.33
Big Rivers Electric Corp **Reid-Henderson II**	**988.4**	**11,886**	**2.46**	**8.41**	**119.2**	**26.34**
Indiana	413.3	11,240	2.17	8.44	114.4	25.71
Daviess	270.3	11,139	2.04	8.59	125.2	27.89
Spencer	143.0	11,432	2.41	8.16	94.5	21.61
Kentucky	575.1	12,350	2.66	8.38	122.4	30.22
Daviess	34.8	11,378	2.32	9.37	135.9	30.93
Webster	540.3	12,413	2.69	8.32	121.6	30.18
Cajun Electric Power Coop Inc **Big Cajun No.2**	**5,129.0**	**8,559**	**.48**	**5.79**	**142.7**	**24.42**
West Virginia	218.3	12,909	.66	7.75	179.7	46.38
Mingo	218.3	12,909	.66	7.75	179.7	46.38
Wyoming	4,910.7	8,366	.47	5.70	140.1	23.44
Campbell	4,910.7	8,366	.47	5.70	140.1	23.44
Cardinal Operating Co **Cardinal**	**3,595.1**	**11,810**	**2.27**	**13.23**	**154.8**	**36.56**
Ohio	1,440.2	12,101	3.10	11.61	137.3	33.24
Belmont	893.6	12,018	2.99	11.90	147.8	35.52
Coshocton	13.7	12,334	2.96	10.10	145.2	35.82
Harrison	32.5	12,000	2.92	11.27	97.1	23.32
Hocking	41.4	11,568	3.04	13.46	114.8	26.56
Jefferson	459.0	12,312	3.32	10.95	121.9	30.01
West Virginia	2,154.9	11,615	1.72	14.31	167.0	38.79
Brooke	823.9	12,174	3.31	10.19	175.8	42.79
Kanawha	1,315.9	11,263	.72	16.91	161.2	36.32
Ohio	15.1	11,696	3.03	12.90	149.8	35.04
Carolina Power & Light Co **Lee**	**299.9**	**12,839**	**1.19**	**7.90**	**202.8**	**52.09**
Kentucky	244.3	12,805	1.16	7.86	205.1	52.52
Martin	244.3	12,805	1.16	7.86	205.1	52.52
Tennessee	45.6	12,989	1.36	7.54	193.0	50.13
Claiborne	45.6	12,989	1.36	7.54	193.0	50.13
West Virginia	10.0	12,983	.99	10.60	193.7	50.30
Boone	10.0	12,983	.99	10.60	193.7	50.30
Carolina Power & Light Co **Robinson**	**180.1**	**12,645**	**1.36**	**11.15**	**184.3**	**46.60**
Kentucky	105.5	12,650	1.59	10.79	177.0	44.78
Harlan	100.8	12,650	1.56	10.72	178.3	45.11
Pike	4.7	12,663	2.18	12.40	149.2	37.79
Tennessee	13.1	12,749	1.31	7.90	189.2	48.24
Claiborne	13.1	12,749	1.31	7.90	189.2	48.24
West Virginia	61.5	12,615	.98	12.46	195.7	49.36
Boone	61.5	12,615	.98	12.46	195.7	49.36
Carolina Power & Light Co **Mayo**	**1,820.3**	**12,041**	**.63**	**11.84**	**175.2**	**42.20**
Kentucky	90.3	12,334	.70	8.52	161.8	39.91
Martin	90.3	12,334	.70	8.52	161.8	39.91
West Virginia	1,730.0	12,026	.63	12.02	175.9	42.31
Mingo	1,730.0	12,026	.63	12.02	175.9	42.31
Carolina Power & Light Co **Cape Fear**	**322.2**	**12,887**	**1.26**	**8.27**	**194.9**	**50.17**
Kentucky	146.6	12,860	1.15	8.32	204.2	52.52
Floyd	.4	12,665	.93	10.60	150.3	38.07
Harlan	2.2	12,549	.87	11.30	137.4	34.48
Martin	142.5	12,875	1.16	8.22	206.0	53.04
Pike	1.5	11,957	.83	12.80	140.1	33.50
Tennessee	159.9	12,902	1.42	8.01	189.3	48.85
Claiborne	159.9	12,902	1.42	8.01	189.3	48.85
West Virginia	15.7	12,560	.72	10.56	165.4	41.54
Mingo	15.7	12,560	.72	10.56	165.4	41.54
Carolina Power & Light Co **Weatherspoon**	**102.9**	**12,689**	**1.19**	**10.94**	**172.7**	**43.84**
Kentucky	70.6	12,702	1.23	10.45	162.6	41.30
Floyd	69.8	12,702	1.23	10.49	162.6	41.31
Martin	.8	12,768	1.25	7.20	157.8	40.30

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Carolina Power & Light Co Weatherspoon						
Virginia	0.2	12,454	1.07	11.50	157.2	39.16
Wise	.2	12,454	1.07	11.50	157.2	39.16
West Virginia	32.1	12,663	1.10	12.02	195.3	49.45
Boone	32.0	12,663	1.10	12.02	195.4	49.49
Logan	.1	12,511	1.31	10.40	151.5	37.91
Carolina Power & Light Co Roxboro	**4,797.4**	**12,668**	**.90**	**9.37**	**181.1**	**45.88**
Kentucky	2,418.2	12,792	1.00	7.73	185.4	47.44
Martin	2,399.4	12,787	.99	7.74	185.8	47.51
Pike	18.8	13,453	1.39	5.65	143.6	38.63
Virginia	20.3	13,179	1.32	7.88	135.2	35.64
Wise	20.3	13,179	1.32	7.88	135.2	35.64
West Virginia	2,358.9	12,536	.79	11.06	177.0	44.37
Boone	1,254.5	12,898	.92	10.85	179.1	46.20
Mingo	1,104.4	12,124	.65	11.30	174.4	42.29
Carolina Power & Light Co Sutton	**489.9**	**12,629**	**1.06**	**12.31**	**190.3**	**48.07**
Kentucky	73.1	12,624	1.32	10.92	168.7	42.59
Floyd	50.0	12,548	1.21	11.52	162.5	40.78
Harlan	23.1	12,788	1.57	9.62	181.9	46.53
West Virginia	416.8	12,630	1.01	12.55	194.1	49.03
Boone	416.8	12,630	1.01	12.55	194.1	49.03
Carolina Power & Light Co Asheville	**755.7**	**13,257**	**1.05**	**9.56**	**133.5**	**35.39**
Kentucky	10.0	12,890	1.09	7.70	199.3	51.38
Martin	10.0	12,890	1.09	7.70	199.3	51.38
Tennessee	20.3	13,149	1.28	7.50	181.9	47.84
Claiborne	20.3	13,149	1.28	7.50	181.9	47.84
Virginia	725.4	13,265	1.04	9.65	131.3	34.82
Wise	725.4	13,265	1.04	9.65	131.3	34.82
Cedar Falls City of Streeter	**35.2**	**12,011**	**3.37**	**10.75**	**119.6**	**28.72**
Kentucky	33.7	12,155	3.51	11.01	118.8	28.88
Hopkins	33.7	12,155	3.51	11.01	118.8	28.88
Wyoming	1.5	8,751	.20	4.66	143.7	25.15
Campbell	1.5	8,751	.20	4.66	143.7	25.15
Central Electric Pwr Coop-MO Chamois	**131.0**	**11,125**	**2.79**	**9.24**	**116.7**	**25.96**
Illinois	115.0	11,200	2.58	8.80	116.6	26.12
Franklin	14.0	11,623	1.15	6.60	125.4	29.14
Randolph	101.0	11,141	2.78	9.11	115.4	25.71
Missouri	16.0	10,585	4.27	12.35	117.1	24.79
Putnam	2.0	9,866	3.05	10.05	126.3	24.92
Ralls	14.0	10,688	4.45	12.68	115.9	24.77
Central Hudson Gas & Elec Corp Danskammer	**949.5**	**13,078**	**.58**	**8.49**	**191.1**	**49.99**
Kentucky	492.9	13,093	.53	8.53	192.3	50.37
Pike	492.9	13,093	.53	8.53	192.3	50.37
West Virginia	456.7	13,062	.63	8.44	189.8	49.57
Mingo	456.7	13,062	.63	8.44	189.8	49.57
Central Illinois Light Co Duck Creek	**936.0**	**10,523**	**3.46**	**8.74**	**201.5**	**42.41**
Illinois	936.0	10,523	3.46	8.74	201.5	42.41
Macoupin	936.0	10,523	3.46	8.74	201.5	42.41
Central Illinois Light Co Edwards	**1,176.0**	**13,059**	**.89**	**6.20**	**170.3**	**44.49**
Illinois	116.0	10,481	2.68	10.45	131.0	27.46
Fulton	116.0	10,481	2.68	10.45	131.0	27.46
Kentucky	825.0	13,341	.69	5.64	173.3	46.25
Harlan	6.0	12,351	.58	7.70	241.9	59.75
Letcher	33.0	13,068	.74	5.89	162.9	42.56
Perry	523.0	13,340	.72	5.43	172.4	46.00
Pike	263.0	13,401	.63	6.00	175.0	46.90
West Virginia	235.0	13,342	.71	6.06	175.1	46.72
Boone	235.0	13,342	.71	6.06	175.1	46.72
Central Illinois Pub Serv Co Grand Tower	**187.5**	**11,740**	**3.25**	**11.30**	**153.6**	**36.07**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Central Illinois Pub Serv Co Grand Tower	187.5	11,740	3.25	11.30	153.6	36.07
Illinois	187.5	11,740	3.25	11.30	153.6	36.07
Williamson						
Central Illinois Pub Serv Co Hutsonville	**219.9**	**11,363**	**2.65**	**9.29**	**137.8**	**31.32**
Indiana	219.9	11,363	2.65	9.29	137.8	31.32
Daviess	219.9	11,363	2.65	9.29	137.8	31.32
Central Illinois Pub Serv Co Coffeen	**1,635.7**	**10,528**	**3.74**	**9.37**	**150.9**	**31.77**
Illinois	1,635.7	10,528	3.74	9.37	150.9	31.77
Macoupin	1,635.7	10,528	3.74	9.37	150.9	31.77
Central Illinois Pub Serv Co Newton	**1,636.8**	**11,431**	**2.00**	**10.30**	**158.8**	**36.30**
Illinois	1,028.6	11,579	2.85	11.57	164.2	38.03
Williamson	1,028.6	11,579	2.85	11.57	164.2	38.03
Indiana	591.3	11,124	.56	8.19	148.5	33.04
Greene	303.6	11,310	.58	8.35	156.6	35.41
Knox	18.9	11,054	.56	7.72	150.0	33.16
Sullivan	268.8	10,920	.53	8.04	138.9	30.35
Kentucky	16.9	13,126	.73	6.70	172.4	45.26
Letcher	16.9	13,126	.73	6.70	172.4	45.26
Central Illinois Pub Serv Co Meredosia	**596.9**	**11,312**	**2.67**	**5.89**	**153.0**	**34.61**
Illinois	596.9	11,312	2.67	5.89	153.0	34.61
Schuyler	596.9	11,312	2.67	5.89	153.0	34.61
Central Iowa Power Coop Fair	**166.7**	**11,343**	**2.80**	**10.28**	**116.4**	**26.41**
Illinois	150.7	11,308	2.76	10.68	118.3	26.76
Randolph	74.8	10,980	2.91	10.02	101.8	22.36
Williamson	75.9	11,632	2.62	11.33	133.7	31.10
Indiana	16.0	11,673	3.13	6.58	99.1	23.14
Spencer	16.0	11,673	3.13	6.58	99.1	23.14
Central Louisiana Elec Co Inc Dolet Hills	**2,968.8**	**6,935**	**.56**	**11.64**	**125.7**	**17.44**
Louisiana	2,968.8	6,935	.56	11.64	125.7	17.44
De Soto	2,968.8	6,935	.56	11.64	125.7	17.44
Central Louisiana Elec Co Inc Rodemacher	**1,932.0**	**8,658**	**.53**	**6.12**	**177.2**	**30.68**
Wyoming	1,932.0	8,658	.53	6.12	177.2	30.68
Campbell	1,932.0	8,658	.53	6.12	177.2	30.68
Central Operating Co Sporn	**1,102.5**	**12,458**	**.88**	**10.76**	**166.5**	**41.49**
Kentucky	9.0	11,696	1.18	12.70	108.4	25.36
Martin	9.0	11,696	1.18	12.70	108.4	25.36
West Virginia	1,093.5	12,464	.87	10.74	167.0	41.62
Boone	752.0	12,549	.77	10.44	187.7	47.11
Clay	30.9	12,253	.91	11.96	145.5	35.65
Fayette	84.6	12,226	1.37	12.50	112.1	27.41
Kanawha	24.0	11,860	1.00	14.07	116.5	27.63
Logan	171.1	12,369	1.04	10.30	115.7	28.62
Nicholas	30.9	12,253	.91	11.96	145.5	35.65
Central Power & Light Co Coleto Creek	**1,912.1**	**10,815**	**.37**	**5.54**	**207.9**	**44.97**
Colorado	1,794.8	10,827	.37	5.45	211.6	45.83
Delta	106.5	11,441	.44	8.14	153.0	35.00
Gunnison	180.1	11,443	.47	8.14	162.4	37.18
Moffat	1,508.2	10,710	.35	4.93	222.3	47.63
Utah	42.6	11,889	.53	8.59	161.9	38.50
Carbon	42.6	11,889	.53	8.59	161.9	38.50
Wyoming	74.7	9,908	.37	6.02	141.0	27.94
Carbon	42.9	10,619	.42	6.62	142.3	30.22
Converse	31.8	8,950	.29	5.20	138.9	24.86
Cincinnati Gas & Electric Co East Bend	**1,769.8**	**11,331**	**2.03**	**11.88**	**128.1**	**29.02**
Illinois	1.2	11,755	1.67	7.20	100.3	23.58
Franklin	1.2	11,755	1.67	7.20	100.3	23.58
Indiana	207.9	11,008	2.80	9.45	95.1	20.94
Daviess	1.5	10,655	2.68	11.30	86.3	18.39
Dubois	10.6	10,662	2.90	11.29	96.4	20.55
Pike	167.2	11,031	2.78	9.38	95.3	21.03

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Cincinnati Gas & Electric Co East Bend						
Indiana						
Spencer	19.2	11,182	2.74	8.23	97.2	21.74
Warrick	9.4	10,687	3.16	10.85	86.6	18.51
Kentucky	1,285.1	11,385	1.81	11.83	129.8	29.55
Daviess	22.7	11,067	2.41	9.34	92.6	20.50
Floyd	15.0	11,739	1.37	11.14	99.3	23.30
Greenup	193.6	11,299	2.47	12.96	164.5	37.17
Henderson	3.1	11,718	2.85	7.60	92.9	21.77
Johnson	23.4	11,938	1.35	10.29	108.1	25.80
Letcher	65.3	11,035	.97	17.61	98.5	21.73
Magoffin	287.5	11,601	1.29	12.99	181.5	42.11
Muhlenberg	184.6	11,426	2.57	9.01	102.7	23.48
Ohio	188.6	11,383	1.82	7.80	107.5	24.42
Perry	199.7	10,952	1.13	16.38	98.9	21.67
Pike	3.0	11,591	1.76	11.00	96.8	22.44
Union	98.6	11,865	2.55	7.33	104.0	24.68
Ohio	181.1	11,305	2.61	12.90	147.1	33.25
Hocking	1.6	11,738	2.10	10.10	99.9	23.45
Jackson	33.0	10,904	3.12	12.06	90.1	19.64
Jefferson	116.6	11,365	2.46	13.27	164.3	37.35
Lawrence	20.7	11,527	2.49	13.56	165.0	38.04
Vinton	9.2	11,416	3.15	10.20	92.3	21.07
Pennsylvania	44.3	10,996	2.50	18.01	156.7	34.46
Greene	44.3	10,996	2.50	18.01	156.7	34.46
West Virginia	50.2	11,663	1.62	14.17	124.3	28.99
Fayette	29.2	11,729	2.33	14.30	140.1	32.87
Kanawha	15.5	11,577	1.08	14.09	102.4	23.71
Lincoln	5.5	11,557	1.23	13.74	100.5	23.24
Cincinnati Gas & Electric Co Miami Fort	**3,035.2**	**11,766**	**1.66**	**11.49**	**149.2**	**35.11**
Indiana	107.1	11,055	2.80	9.15	96.0	21.23
Daviess	3.0	10,513	3.23	13.20	78.0	16.40
Dubois	3.2	10,824	2.76	10.70	101.6	21.99
Pike	79.3	11,091	2.83	9.04	95.8	21.25
Spencer	21.6	11,033	2.61	8.75	98.3	21.70
Kentucky	1,211.9	11,486	2.10	11.58	146.1	33.55
Daviess	38.3	11,145	2.64	8.84	95.4	21.26
Floyd	10.3	11,900	.94	11.96	112.9	26.87
Greenup	506.0	11,308	2.49	12.87	164.0	37.09
Henderson	8.0	11,746	2.65	7.50	96.1	22.58
Johnson	8.6	11,887	1.35	10.85	107.7	25.60
Knott	4.5	11,021	1.25	14.20	104.8	23.11
Letcher	1.4	11,114	1.01	17.00	104.2	23.16
Mclean	1.5	10,816	1.96	13.90	95.4	20.64
Magoffin	281.9	11,621	1.25	13.05	177.9	41.34
Martin	15.3	12,028	.63	10.00	119.8	28.82
Muhlenberg	61.4	11,443	2.61	8.96	102.5	23.47
Ohio	52.2	11,366	1.94	8.07	107.6	24.45
Perry	23.0	11,067	1.18	16.40	102.6	22.71
Pike	20.0	11,533	1.15	12.02	112.6	25.98
Union	159.5	11,920	2.57	7.52	102.9	24.54
Ohio	324.5	11,345	2.59	12.98	151.1	34.29
Belmont	13.6	11,730	2.93	12.49	97.2	22.80
Hocking	4.6	11,027	2.98	11.40	93.6	20.64
Jackson	32.0	10,785	3.09	12.11	88.0	18.97
Jefferson	189.4	11,348	2.49	13.03	163.6	37.14
Lawrence	77.3	11,513	2.50	13.58	164.2	37.81
Vinton	7.6	11,412	3.30	11.12	92.0	21.00
Pennsylvania	95.2	11,083	2.50	17.72	154.3	34.21
Greene	95.2	11,083	2.50	17.72	154.3	34.21
West Virginia	1,296.5	12,242	.86	10.76	155.1	37.97
Boone	212.0	12,385	.71	11.18	181.7	45.00
Fayette	106.4	11,626	2.47	13.96	161.8	37.61
Kanawha	504.5	12,263	.72	10.33	164.7	40.40
Lincoln	1.6	11,530	1.23	14.40	99.8	23.01
Logan	247.7	12,048	.72	11.59	117.8	28.39
Mingo	224.3	12,574	.66	8.86	146.1	36.73
Cincinnati Gas & Electric Co Beckjord	**1,718.3**	**11,285**	**1.82**	**13.55**	**157.2**	**35.49**

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Cincinnati Gas & Electric Co Beckjord						
Indiana	11.8	10,791	2.85	10.68	89.5	19.31
Daviess	7.4	10,626	2.79	11.69	85.3	18.12
Pike	4.4	11,069	2.95	9.00	96.3	21.32
Kentucky	1,129.6	11,273	1.39	13.99	171.4	38.64
Daviess	15.2	10,817	2.96	10.10	94.8	20.50
Floyd	12.0	11,689	1.38	10.91	97.0	22.68
Greenup	256.8	11,258	2.50	13.07	162.8	36.67
Johnson	15.1	11,751	1.44	10.50	103.6	24.36
Knott	1.5	10,962	1.36	14.70	101.5	22.25
Lawrence	7.6	11,195	2.68	12.38	84.2	18.85
Letcher	3.0	10,796	.91	17.94	98.7	21.32
Mclean	1.4	10,284	2.07	18.40	81.5	16.76
Magoffin	213.7	11,591	1.28	13.08	179.8	41.68
Martin	578.5	11,162	.86	14.98	182.3	40.71
Perry	14.0	11,084	1.37	15.51	104.6	23.19
Pike	10.8	11,397	1.98	11.83	96.1	21.91
Ohio	461.4	11,276	2.82	12.08	124.5	28.07
Belmont	14.2	12,083	2.98	9.80	92.6	22.38
Hocking	29.0	11,150	2.84	11.02	94.9	21.16
Jackson	154.4	11,104	3.18	11.14	89.7	19.93
Jefferson	178.9	11,360	2.49	13.31	162.4	36.90
Lawrence	35.1	11,333	2.46	12.77	163.2	36.98
Vinton	49.8	11,311	3.06	11.34	92.5	20.92
Pennsylvania	75.5	11,043	2.52	17.64	151.8	33.53
Greene	75.5	11,043	2.52	17.64	151.8	33.53
West Virginia	40.0	12,336	1.18	11.17	164.6	40.60
Boone	10.6	12,529	.70	10.77	180.2	45.15
Fayette	10.6	11,656	2.55	14.70	161.4	37.63
Kanawha	6.1	12,376	.68	10.80	175.1	43.34
Mingo	12.7	12,722	.69	8.73	149.2	37.97
Cleveland Electric Illum Co Avon Lake	**1,570.0**	**12,428**	**2.54**	**9.74**	**146.5**	**36.41**
Ohio	1,497.0	12,384	2.57	9.87	146.4	36.26
Belmont	193.0	12,084	3.30	11.26	212.0	51.24
Harrison	1,304.0	12,429	2.46	9.66	137.0	34.04
West Virginia	73.0	13,320	1.99	7.15	148.3	39.51
Barbour	73.0	13,320	1.99	7.15	148.3	39.51
Cleveland Electric Illum Co Ashtabula	**992.0**	**12,448**	**3.09**	**9.69**	**160.5**	**39.94**
Kentucky	2.0	13,420	.51	6.30	151.9	40.77
Pike	2.0	13,420	.51	6.30	151.9	40.77
Ohio	506.0	12,192	3.85	10.49	191.2	46.61
Belmont	496.0	12,185	3.88	10.54	192.4	46.89
Columbiana	10.0	12,544	2.57	7.92	130.8	32.81
Pennsylvania	484.0	12,710	2.31	8.88	129.7	32.97
Venango	484.0	12,710	2.31	8.88	129.7	32.97
Cleveland Electric Illum Co Lake Shore	**429.0**	**13,091**	**.64**	**6.15**	**177.3**	**46.42**
Kentucky	227.0	13,089	.57	6.00	197.9	51.79
Martin	128.0	12,935	.57	5.78	230.3	59.58
Pike	70.0	13,368	.52	6.35	152.8	40.85
Whitley	29.0	13,093	.66	6.13	167.5	43.86
West Virginia	202.0	13,093	.72	6.33	154.2	40.39
Boone	14.0	13,176	.75	6.70	154.3	40.66
Mingo	42.0	13,205	.72	6.93	151.1	39.90
Nicholas	146.0	13,053	.71	6.12	155.2	40.51
Cleveland Electric Illum Co Eastlake	**2,090.0**	**12.500**	**2.97**	**9.80**	**155.8**	**38.94**
Ohio	1,469.0	12,301	3.26	10.27	166.6	40.98
Belmont	953.0	12,248	3.64	10.88	185.6	45.48
Columbiana	268.0	12,460	2.52	8.24	132.5	33.07
Harrison	218.0	12,375	2.55	9.96	130.8	32.38
Stark	30.0	11,815	2.82	11.30	132.1	31.22
Pennsylvania	437.0	12,905	2.39	9.05	130.9	33.78
Armstrong	95.0	12,556	2.07	12.55	131.5	33.01
Clarion	229.0	12,886	2.55	8.27	125.1	32.25
Greene	100.0	13,340	2.24	7.06	143.3	38.23
Jefferson	13.0	12,427	3.04	12.60	129.4	32.16

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Cleveland Electric Illum Co Eastlake						
West Virginia	184.0	13,133	2.08	7.85	133.0	34.95
Harrison	10.0	12,397	3.08	10.80	122.4	30.35
Monongalia	153.0	13,204	2.04	7.63	133.8	35.34
Nicholas	21.0	12,971	1.91	8.03	132.0	34.24
Colorado Springs City of Drake	**517.7**	**10,618**	**.36**	**6.07**	**174.1**	**36.97**
Colorado	517.7	10,618	.36	6.07	174.1	36.97
Moffat	517.7	10,618	.36	6.07	174.1	36.97
Colorado Springs City of Nixon	**689.2**	**10,543**	**.37**	**7.93**	**162.9**	**34.35**
Colorado	651.4	10,547	.37	7.97	166.9	35.22
Delta	9.3	11,691	.45	6.25	100.1	23.41
Moffat	561.9	10,459	.35	7.87	179.3	37.51
Routt	80.2	11,030	.50	8.92	93.1	20.54
Wyoming	37.8	10,466	.43	7.25	93.1	19.48
Carbon	37.8	10,466	.43	7.25	93.1	19.48
Colorado-Ute Electric Assn Hayden	**1,454.2**	**10,683**	**.44**	**10.27**	**76.9**	**16.43**
Colorado	1,454.2	10,683	.44	10.27	76.9	16.43
Routt	1,454.2	10,683	.44	10.27	76.9	16.43
Colorado-Ute Electric Assn Craig	**4,431.5**	**10,216**	**.37**	**6.87**	**94.2**	**19.25**
Colorado	4,431.5	10,216	.37	6.87	94.2	19.25
Moffat	4,431.5	10,216	.37	6.87	94.2	19.25
Columbia City of Columbia	**58.2**	**10,844**	**3.81**	**10.71**	**154.3**	**33.46**
Illinois	58.2	10,844	3.81	10.71	154.3	33.46
St Clair	58.2	10,844	3.81	10.71	154.3	33.46
Columbus & Southern Ohio El Co Picway	**180.1**	**11,617**	**2.59**	**9.78**	**116.7**	**27.12**
Ohio	180.1	11,617	2.59	9.78	116.7	27.12
Athens	36.1	11,773	2.36	9.36	116.7	27.49
Vinton	144.0	11,577	2.65	9.88	116.7	27.02
Columbus & Southern Ohio El Co Conesville	**3,033.7**	**11,858**	**3.01**	**8.03**	**161.5**	**38.30**
Ohio	3,033.7	11,858	3.01	8.03	161.5	38.30
Coshocton	1,770.1	11,914	3.23	7.30	165.7	39.48
Muskingum	132.2	11,789	3.06	8.62	137.3	32.38
Perry	820.7	11,432	2.39	10.43	158.0	36.14
Tuscarawas	510.7	12,200	3.00	7.48	157.2	38.37
Columbus City of Refuse & Coal	**58.2**	**12,385**	**.69**	**7.24**	**153.5**	**38.02**
Kentucky	28.6	13,121	.78	7.07	147.9	38.80
Floyd	28.6	13,121	.78	7.07	147.9	38.80
Ohio	29.6	11,674	.60	7.41	159.6	37.26
Jackson	29.6	11,674	.60	7.41	159.6	37.26
Commonwealth Edison Co Waukegan	**903.0**	**9,578**	**.40**	**7.43**	**272.4**	**52.18**
Montana	88.0	9,590	.40	4.49	285.2	54.70
Big Horn	88.0	9,590	.40	4.49	285.2	54.70
Wyoming	815.0	9,577	.40	7.75	271.0	51.91
Sheridan	33.0	9,469	.48	4.77	296.4	56.13
Sweetwater	782.0	9,581	.40	7.88	269.9	51.73
Commonwealth Edison Co Crawford	**714.5**	**9,557**	**.41**	**7.56**	**309.5**	**59.15**
Montana	68.5	9,572	.42	4.36	302.6	57.93
Big Horn	68.5	9,572	.42	4.36	302.6	57.93
Wyoming	646.0	9,556	.41	7.90	310.2	59.29
Sheridan	11.0	9,486	.44	4.79	293.0	55.59
Sweetwater	635.0	9,557	.41	7.95	310.5	59.35
Commonwealth Edison Co Fisk	**202.0**	**9,596**	**.42**	**7.57**	**312.2**	**59.92**
Montana	20,0	9,576	.45	4.51	309.0	59.18
Big Horn	20.0	9,576	.45	4.51	309.0	59.18
Wyoming	182.0	9,598	.42	7.91	312.5	60.00
Sheridan	4.0	9,368	.48	4.60	317.9	59.56
Sweetwater	178.0	9,603	.41	7.98	312.4	60.01
Commonwealth Edison Co Joliet	**2,037.0**	**9,529**	**.41**	**6.01**	**285.8**	**54.46**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Origin State County	Plant	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
			Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Commonwealth Edison Co	**Joliet**						
Montana		615.0	9,577	0.38	4.32	284.9	54.56
Big Horn		615.0	9,577	.38	4.32	284.9	54.56
Wyoming		1,422.0	9,509	.42	6.74	286.2	54.42
Sheridan		541.0	9,427	.48	4.93	293.4	55.32
Sweetwater		881.0	9,559	.38	7.86	281.7	53.86
Commonwealth Edison Co	**Kincaid**	**1,892.0**	**10,315**	**3.37**	**10.07**	**167.5**	**34.55**
Illinois		1,892.0	10,315	3.37	10.07	167.5	34.55
Christian		1,892.0	10,315	3.37	10.07	167.5	34.55
Commonwealth Edison Co	**Powerton**	**3,018.0**	**9,515**	**.42**	**4.78**	**272.6**	**51.87**
Montana		1,665.0	9,567	.38	4.30	270.7	51.79
Big Horn		1,665.0	9,567	.38	4.30	270.7	51.79
Wyoming		1,353.0	9,451	.47	5.36	275.0	51.98
Sheridan		1,171.0	9,425	.48	4.91	275.3	51.90
Sweetwater		182.0	9,620	.44	8.25	272.6	52.45
Commonwealth Edison Co	**State Line**	**466.0**	**9,574**	**.39**	**4.34**	**283.8**	**54.34**
Montana		466.0	9,574	.39	4.34	283.8	54.34
Big Horn		466.0	9,574	.39	4.34	263.8	54.34
Commonwealth Edison Co	**Will County**	**1,699.2**	**9,554**	**.41**	**7.31**	**309.4**	**59.12**
Montana		263.2	9,556	.40	4.40	302.5	57.80
Big Horn		263.2	9,556	.40	4.40	302.5	57.80
Wyoming		1,436.0	9,553	.41	7.84	310.7	59.37
Sheridan		55.0	9,469	.45	4.71	301.3	57.07
Sweetwater		1,381.0	9,557	.41	7.96	311.1	59.46
Consumers Power Co	**Karn-Weadock**	**773.9**	**12,558**	**.83**	**9.21**	**178.9**	**44.93**
Kentucky		448.7	12,568	.82	8.84	195.2	49.06
Letcher		66.2	12,392	.93	10.55	160.8	39.86
Perry		101.9	12,540	.84	7.98	192.2	48.20
Pike		201.4	12,430	.81	9.78	200.3	49.80
Whitley		79.2	13,102	.72	6.10	213.6	55.96
Pennsylvania		73.8	12,582	1.01	9.91	151.5	38.12
Allegheny		73.8	12,582	1.01	9.91	151.5	38.12
West Virginia		251.4	12,532	.79	9.66	157.9	39.57
Boone		220.8	12,595	.80	9.32	158.1	39.83
Logan		30.6	12,081	.75	12.24	156.0	37.69
Consumers Power Co	**Campbell**	**3,610.6**	**12,394**	**.73**	**9.91**	**183.0**	**45.36**
Kentucky		2,575.6	12,508	.74	9.89	192.7	48.21
Floyd		119.9	12,256	.93	11.83	160.8	29.41
Letcher		82.7	12,603	.89	10.17	162.1	40.87
Perry		31.0	12,297	.84	9.76	195.6	48.10
Pike		2,307.5	12,519	.73	9.80	195.1	48.84
Whitley		34.5	12,617	.74	8.82	215.1	54.29
West Virginia		934.0	12,458	.73	10.52	160.1	39.89
Boone		529.6	12,707	.72	9.16	162.4	41.26
Logan		404.4	12,132	.74	12.29	157.0	38.09
Wyoming		101.0	8,901	.38	4.86	131.3	23.38
Campbell		101.0	8,901	.38	4.86	131.3	23.38
Consumers Power Co	**Cobb-Sandusky Sg**	**811.1**	**12,407**	**.85**	**8.78**	**183.9**	**45.64**
Kentucky		459.6	12,675	.80	8.32	207.8	52.69
Letcher		.1	12,404	.87	11.70	163.4	40.54
Perry		96.5	12,422	.84	8.57	195.8	48.65
Pike		214.4	12,655	.83	9.25	208.6	52.79
Whitley		148.6	12,869	.72	6.80	214.4	55.18
Pennsylvania		306.6	12,518	1.01	10.05	153.5	38.43
Allegheny		306.6	12,518	1.01	10.05	153.5	38.43
West Virginia		.1	12,000	.96	11.00	159.7	38.33
Boone		.1	12,000	.96	11.00	159.7	38.33
Wyoming		44.8	8,901	.37	4.85	127.1	22.63
Campbell		44.8	8,901	.37	4.85	127.1	22.63
Consumers Power Co	**Weadock-Sandusky**	**658.3**	**12,495**	**.84**	**8.64**	**195.3**	**48.80**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Consumers Power Co **Weadock-Sandusky**						
Kentucky	634.8	12,499	0.83	8.60	196.9	49.22
Floyd	7.3	12,200	.98	12.00	159.1	38.82
Martin	19.7	12,200	.90	10.00	144.6	35.28
Perry	402.5	12,423	.84	8.44	192.6	47.84
Pike	155.0	12,621	.83	9.25	211.2	53.32
Whitley	50.3	12,895	.70	6.78	211.6	54.58
Pennsylvania	23.5	12,378	.94	9.70	151.5	37.51
Allegheny	23.5	12,378	.94	9.70	151.5	37.51
Consumers Power Co **Whiting**	**883.4**	**12,595**	**.80**	**9.25**	**168.1**	**42.35**
Kentucky	513.1	12,540	.79	8.74	186.1	46.68
Breathitt	27.7	12,336	1.00	7.80	139.3	34.38
Floyd	8.1	12,693	1.05	10.80	145.6	36.96
Harlan	18.0	12,121	.99	11.20	139.4	33.81
Letcher	7.4	12,603	.85	10.00	148.2	37.38
Martin	9.9	12,206	.82	9.20	140.1	34.20
Pike	328.8	12,447	.78	9.10	191.1	47.57
Whitley	113.2	12,943	.74	7.29	199.1	51.54
West Virginia	370.3	12,672	.81	9.96	143.4	36.35
Boone	268.5	12,822	.78	9.14	144.9	37.17
Logan	101.9	12,277	.87	12.13	139.2	34.17
Coop Power Assn **Coal Creek**	**6,765.1**	**6,299**	**.64**	**10.59**	**72.2**	**9.10**
North Dakota	6,765.1	6,299	.64	10.59	72.2	9.10
Mclean	6,765.1	6,299	.64	10.59	72.2	9.10
Dairyland Power Coop **Alma-Madgett**	**1,307.5**	**8,872**	**.45**	**5.19**	**132.7**	**23.55**
Illinois	133.1	11,956	1.03	5.78	149.5	35.74
Jefferson	131.7	11,965	1.02	5.74	149.6	35.81
Randolph	1.4	11,167	1.83	8.80	130.5	29.15
Montana	97.7	8,829	.80	9.09	123.2	21.75
Big Horn	97.7	8,829	.80	9.09	123.2	21.75
Wyoming	1,076.7	8,495	.34	4.77	130.7	22.21
Campbell	1,076.7	8,495	.34	4.77	130.7	22.21
Dairyland Power Coop **Stoneman**	**24.7**	**11,853**	**1.11**	**7.94**	**140.0**	**33.20**
Illinois	22.9	11,872	1.12	7.78	140.5	33.37
Jefferson	13.6	12,166	1.06	5.99	143.5	34.92
Williamson	9.3	11,442	1.19	10.40	135.9	31.10
Kentucky	1.8	11,614	.90	10.00	133.5	31.01
Letcher	1.8	11,614	.90	10.00	133.5	31.01
Dairyland Power Coop **Genoa No.3**	**797.5**	**10,167**	**2.22**	**9.27**	**127.5**	**25.92**
Illinois	551.0	10,951	2.97	10.18	131.1	28.72
Jefferson	2.8	12,120	1.01	4.90	146.0	35.40
Randolph	548.2	10,945	2.98	10.20	131.0	28.68
Montana	104.6	8,575	.80	10.39	130.3	22.35
Big Horn	104.6	8,575	.80	10.39	130.3	22.35
Wyoming	141.9	8,295	.32	4.93	106.5	17.67
Campbell	141.9	8,295	.32	4.93	106.5	17.67
Dayton Power & Light Co **Stuart**	**6,107.1**	**11,592**	**1.53**	**14.08**	**147.8**	**34.28**
Indiana	30.5	10,431	3.62	14.22	92.6	19.33
Dubois	27.5	10,420	3.69	14.55	92.7	19.32
Spencer	3.0	10,532	3.01	11.19	91.8	19.34
Kentucky	4,049.8	11,514	1.40	14.15	156.0	35.92
Bell	240.4	12,294	1.36	9.91	178.0	43.77
Breathitt	24.5	11,083	1.33	14.65	92.2	20.44
Carter	3.3	9,761	1.45	22.80	80.3	15.68
Floyd	1,046.3	11,156	1.37	14.97	108.0	24.09
Johnson	44.0	11,038	1.27	16.82	96.7	21.36
Knott	6.1	11,424	1.38	15.30	95.7	21.87
Lawrence	180.8	11,037	1.59	15.94	96.1	21.21
Letcher	42.9	10,887	1.39	15.79	100.0	21.77
Martin	74.7	12,106	1.37	11.81	105.7	25.60
Morgan	1.5	12,228	1.36	11.50	95.8	23.43
Perry	1,725.4	11,391	1.35	15.25	193.7	44.14
Pike	659.9	12,279	1.59	10.95	155.8	38.26

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Dayton Power & Light Co Stuart						
Ohio	388.9	10,980	3.37	12.94	89.1	19.56
Belmont	40.2	11,935	2.78	10.98	102.5	24.46
Hocking	21.8	11,069	3.59	12.96	89.0	19.70
Jackson	121.8	10,890	3.76	13.34	84.9	18.49
Jefferson	6.1	10,607	3.38	18.95	88.5	18.77
Lawrence	153.9	10,793	3.26	12.84	89.3	19.28
Stark	9.1	10,365	2.70	14.49	90.8	18.83
Vinton	36.0	11,185	3.12	12.80	85.7	19.17
West Virginia	1,637.9	11,952	1.35	14.16	142.2	33.98
Boone	19.7	11,775	1.47	15.63	95.0	22.37
Clay	132.4	11,891	1.36	14.78	104.1	24.75
Fayette	313.4	11,870	1.31	14.79	102.0	24.22
Kanawha	129.8	11,530	.99	15.02	204.6	47.19
Logan	605.4	12,298	1.40	12.62	187.1	46.01
Mingo	69.5	11,113	1.29	15.50	97.5	21.66
Nicholas	319.8	11,897	1.43	15.05	103.4	24.60
Wayne	24.0	10,477	1.65	18.38	93.4	19.57
Webster	23.9	11,679	1.36	15.86	94.8	22.14
Dayton Power & Light Co Hutchings	**313.2**	**12,297**	**.80**	**10.59**	**150.1**	**36.91**
Kentucky	123.8	12,223	.82	10.25	140.9	34.45
Breathitt	5.0	12,114	.85	9.04	139.8	33.88
Floyd	1.3	12,284	.82	10.30	138.4	34.00
Harlan	2.1	12,385	.76	8.40	137.8	34.13
Knox	4.1	12,221	.78	10.17	136.9	33.45
Lee	2.0	12,000	.96	14.00	139.9	33.58
Letcher	4.4	12,588	.70	9.56	136.8	34.43
Perry	42.3	12,019	.84	10.24	142.1	34.15
Pike	62.6	12,345	.82	10.38	141.0	34.81
West Virginia	189.4	12,345	.78	10.81	156.0	38.51
Boone	43.8	12,184	.88	12.42	139.7	34.05
Fayette	7.2	11,983	.73	12.21	136.7	32.77
Greenbrier	13.5	12,009	.89	12.52	137.0	32.91
Kanawha	6.5	12,332	.87	10.62	141.1	34.79
Logan	35.5	12,624	.59	8.76	219.4	55.39
Mingo	21.1	12,176	.69	10.61	140.5	34.20
Nicholas	61.8	12,474	.81	10.41	143.2	35.73
Dayton Power & Light Co Killen	**1,733.4**	**12,667**	**.67**	**9.87**	**134.5**	**34.07**
Kentucky	645.5	12,573	.69	9.83	120.1	30.20
Floyd	108.1	12,396	.67	10.76	121.2	30.04
Johnson	12.0	12,196	.72	11.16	114.1	27.83
Knott	18.5	12,536	.67	10.53	112.6	28.24
Lawrence	79.6	12,424	.67	9.81	126.5	31.44
Leslie	119.1	12,558	.69	9.77	121.0	30.39
Latcher	119.2	13,004	.73	7.66	117.5	30.55
Magoffin	12.3	12,509	.65	8.31	116.9	29.24
Martin	23.3	12,434	.63	9.87	118.0	29.35
Perry	18.0	12,701	.71	9.47	112.1	28.48
Pike	135.4	12,486	.70	11.03	120.4	30.06
West Virginia	1,087.9	12,724	.66	9.90	142.9	36.36
Boone	101.5	12,757	.73	10.71	113.8	29.03
Fayette	173.6	12,738	.68	10.58	116.9	29.78
Kanawha	90.8	12,726	.72	10.67	116.4	29.64
Lincoln	24.1	12,779	.67	8.59	114.0	29.12
Logan	623.9	12,725	.64	9.54	162.4	41.34
Mingo	67.9	12,659	.68	9.55	120.8	30.58
Nicholas	6.1	12,120	.72	10.88	124.8	30.26
Deepwater Operating Co Deepwater	**156.0**	**13,153**	**.81**	**7.88**	**170.3**	**44.79**
West Virginia	156.0	13,153	.81	7.88	170.3	44.79
Braxton	78.0	13,237	.76	7.51	171.3	45.36
Nicholas	7.0	13,188	.81	7.40	170.1	44.87
Webster	71.0	13,058	.85	8.33	169.1	44.15
Delmarva Power & Light Co Edgemoor	**620.3**	**13,184**	**.82**	**8.06**	**191.4**	**50.46**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Delmarva Power & Light Co Edgemoor						
Pennsylvania	18.1	12,828	0.98	9.47	156.0	40.02
Westmoreland	18.1	12,828	.98	9.47	156.0	40.02
West Virginia	602.2	13,195	.81	8.02	192.4	50.78
Braxton	240.7	13,374	.81	7.59	192.1	51.39
Nicholas	292.4	13,033	.81	8.41	193.2	50.37
Preston	9.0	12,997	.90	8.20	162.3	42.19
Webster	60.1	13,297	.79	7.77	194.1	51.61
Delmarva Power & Light Co Indian River	**1,904.3**	**12,809**	**1.17**	**9.49**	**177.0**	**45.35**
Kentucky	110.0	12,534	.71	8.59	177.0	44.37
Pike	110.0	12,534	.71	8.59	177.0	44.37
Pennsylvania	673.2	12,653	1.78	10.91	170.4	43.12
Armstrong	220.3	13,015	1.81	9.33	168.9	43.98
Cambria	350.7	12,437	1.78	12.08	174.5	43.40
Jefferson	59.5	12,944	1.82	9.45	162.3	42.02
Somerset	42.7	12,141	1.64	11.42	156.2	37.93
West Virginia	1,121.1	12,930	.85	8.73	180.9	46.78
Braxton	55.3	13,251	.84	7.54	207.1	54.89
Kanawha	38.6	12,430	.72	9.64	169.4	42.12
Logan	460.2	12,755	.71	8.85	184.3	47.01
Mingo	53.3	12,902	.66	8.22	173.6	44.83
Nicholas	180.5	13,056	.73	8.51	190.8	49.82
Preston	161.6	13,196	1.61	9.60	152.1	40.15
Randolph	8.0	12,945	.49	8.70	183.7	47.57
Webster	163.6	13,038	.73	8.13	185.1	48.27
Unknown	.1	12,500	.70	9.00	137.0	34.25
Deseret Generation & Tran Coop Bonanza	**1,029.0**	**10,770**	**.43**	**8.46**	**247.9**	**53.39**
Colorado	1,029.0	10,770	.43	8.46	247.9	53.39
Rio Blanco	1,029.0	10,770	.43	8.46	247.9	53.39
Detroit Edison Co Harbor Beach	**120.0**	**13,155**	**.77**	**7.45**	**209.2**	**55.05**
Kentucky	78.0	12,735	.79	8.49	210.7	53.67
Floyd	43.0	12,714	.79	8.32	204.0	51.86
Harlan	7.0	13,079	.91	7.10	161.6	42.27
Martin	9.0	12,590	.95	8.10	196.3	49.43
Pike	19.0	12,723	.87	9.55	251.3	63.95
West Virginia	42.0	13,936	.72	5.53	206.7	57.61
Wyoming	42.0	13,936	.72	5.53	206.7	57.61
Detroit Edison Co Conners Creek	**66.0**	**12,979**	**.79**	**7.72**	**198.0**	**51.41**
Kentucky	51.0	12,724	.81	8.36	191.7	48.79
Floyd	8.0	13,390	1.00	5.90	156.7	41.96
Martin	25.0	12,481	.79	9.18	195.2	48.73
Pike	7.0	12,698	.76	9.60	252.9	64.23
Unknown	11.0	12,810	.77	7.50	172.0	44.07
West Virginia	15.0	13,844	.73	5.55	217.8	60.31
Wyoming	15.0	13,844	.73	5.55	217.8	60.31
Detroit Edison Co Belle River	**3,917.0**	**9,543**	**.36**	**4.17**	**156.0**	**29.78**
Montana	3,917.0	9,543	.36	4.17	156.0	29.78
Big Horn	3,917.0	9,543	.36	4.17	156.0	29.78
Detroit Edison Co Trenton Channel	**1,364.0**	**12,978**	**.80**	**7.93**	**198.9**	**51.63**
Kentucky	461.0	12,916	.79	7.36	186.4	48.15
Floyd	137.0	13,007	.80	6.64	208.6	54.26
Harlan	113.0	12,980	.90	7.27	150.7	39.12
Perry	19.0	12,960	.99	6.89	222.9	57.76
Pike	192.0	12,808	.71	7.99	188.0	48.15
West Virginia	903.0	13,010	.80	8.22	205.2	53.40
Boone	381.0	13,014	.91	8.60	219.4	57.11
Logan	278.0	12,885	.68	8.89	218.7	56.36
Nicholas	244.0	13,145	.78	6.87	168.3	44.25
Detroit Edison Co Monroe	**7,708.0**	**12,672**	**.90**	**6.78**	**175.4**	**44.45**
Illinois	48.0	12,813	1.03	6.80	137.4	35.21
Franklin	48.0	12,813	1.03	6.80	137.4	35.21

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company / Plant Origin State County		Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
			Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Detroit Edison Co	**Monroe**	**2,577.0**	**12,817**	**0.90**	**7.88**	**182.5**	**46.78**
Kentucky		10.0	12,338	1.56	8.40	140.3	34.62
Breathitt		327.0	12,828	.87	7.64	201.3	51.65
Floyd		41.0	13,179	.81	6.61	144.9	38.19
Harlan		104.0	12,806	.86	7.86	148.2	37.97
Knott		2.0	12,406	1.02	11.50	131.3	32.58
Letcher		44.0	12,664	.87	6.52	149.2	37.80
Magoffin		672.0	12,527	.84	8.60	180.2	45.14
Martin		143.0	12,903	.98	7.43	208.9	53.91
Perry		1,077.0	12,975	.96	7.78	188.1	48.81
Pike		15.0	13,195	.89	5.10	142.6	37.63
Pulaski		142.0	12,820	.75	7.21	134.3	34.42
Unknown		895.0	9,550	.37	4.22	157.3	30.04
Montana		895.0	9,550	.37	4.22	157.3	30.04
Big Horn		1,362.0	13,145	1.26	6.31	168.1	44.19
Pennsylvania		1,175.0	13,145	1.24	6.39	172.5	45.34
Greene		187.0	13,146	1.36	5.80	140.6	36.95
Washington		578.0	13,402	1.24	7.00	171.4	45.95
Virginia		578.0	13,402	1.24	7.00	171.4	45.95
Buchanan		2,248.0	13,272	.79	6.75	178.9	47.48
West Virginia		1,017.0	13,498	.83	5.88	198.1	53.48
Boone		127.0	12,604	.65	10.16	220.1	55.48
Logan		192.0	13,044	.86	7.95	143.3	37.37
Mingo		812.0	13,100	.76	7.08	155.2	40.66
Nicholas		21.0	12,958	1.20	9.13	142.6	36.96
Randolph		79.0	13,838	.71	5.56	197.4	54.64
Wyoming							
Detroit Edison Co	**River Rouge**	**1,090.0**	**12,261**	**.80**	**9.94**	**214.4**	**52.58**
Kentucky		924.0	12,210	.82	9.78	215.8	52.71
Breathitt		492.0	12,005	.79	10.67	229.1	55.00
Floyd		62.0	12,570	.79	7.31	247.8	62.30
Martin		300.0	12,469	.87	8.48	182.6	45.55
Pike		70.0	12,219	.79	11.19	240.5	58.77
West Virginia		166.0	12,546	.70	10.89	206.8	51.89
Boone		39.0	12,904	.80	8.45	140.8	36.33
Logan		127.0	12,435	.68	11.63	227.9	56.67
Detroit Edison Co	**St Clair**	**4,242.0**	**9,632**	**.44**	**4.34**	**156.3**	**30.11**
Montana		4,090.0	9,542	.36	4.17	155.9	29.76
Big Horn		4,090.0	9,542	.36	4.17	155.9	29.76
Ohio		38.0	10,826	3.52	10.45	124.4	26.93
Tuscarawas		38.0	10,826	3.52	10.45	124.4	26.93
Pennsylvania		103.0	12,811	2.60	8.51	179.6	46.02
Clarion		103.0	12,811	2.60	8.51	179.6	46.02
Wyoming		11.0	8,978	.46	4.80	126.3	22.68
Campbell		11.0	8,978	.46	4.80	126.3	22.68
Detroit Edison Co	**Marysville**	**9.0**	**13,599**	**.83**	**5.70**	**216.3**	**58.83**
West Virginia		9.0	13,599	.83	5.70	216.3	58.83
Wyoming		9.0	13,599	.83	5.70	216.3	58.83
Duke Power Co	**Cliffside**	**627.0**	**12,702**	**1.03**	**9.46**	**170.8**	**43.38**
Kentucky		556.0	12,677	1.03	9.40	175.7	44.54
Bell		20.0	12,387	.93	8.48	168.1	41.64
Harlan		429.0	12,763	1.03	8.87	186.7	47.67
Letcher		1.0	11,761	.82	14.00	150.4	35.38
Pike		106.0	12,393	1.01	11.68	131.2	32.51
Virginia		71.0	12,899	1.10	9.89	132.9	34.30
Dickenson		48.0	12,680	1.07	10.54	131.3	33.29
Wise		23.0	13,357	1.16	8.55	136.3	36.41
Duke Power Co	**Allen**	**627.0**	**12,632**	**.98**	**11.04**	**179.4**	**45.33**
Virginia		627.0	12,632	.98	11.04	179.4	45.33
Wise		627.0	12,632	.98	11.04	179.4	45.33
Duke Power Co	**Belews Creek**	**4,185.0**	**12,498**	**.92**	**9.59**	**179.9**	**44.97**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Origin State County	Plant	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
			Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Duke Power Co	**Belews Creek**						
Kentucky		3,329.0	12,433	0.89	9.30	180.1	44.79
Bell		164.0	12,654	.80	7.31	161.9	40.96
Martin		3,100.0	12,414	.89	9.38	181.1	44.97
Pike		65.0	12,800	.99	10.50	179.8	46.03
Virginia		836.0	12,751	1.04	10.77	180.1	45.94
Wise		836.0	12,751	1.04	10.77	180.1	45.94
West Virginia		20.0	12,763	.80	7.95	135.8	34.66
Mingo		20.0	12,763	.80	7.95	135.8	34.66
Duke Power Co	**Buck**	**108.0**	**12,458**	**1.04**	**10.29**	**148.2**	**36.94**
Kentucky		61.0	12,442	1.03	9.53	151.8	37.77
Floyd		6.0	12,308	.85	7.33	146.4	36.04
Martin		39.0	12,649	1.02	8.25	156.9	39.70
Pike		16.0	11,987	1.13	13.47	140.6	33.72
Virginia		12.0	12,943	1.22	9.27	147.0	38.04
Wise		12.0	12,943	1.22	9.27	147.0	38.04
West Virginia		35.0	12,321	1.01	11.97	142.5	35.11
Boone		4.0	12,205	.74	10.95	146.6	35.79
Logan		20.0	12,243	.87	12.10	140.3	34.35
Mingo		11.0	12,504	1.35	12.10	144.9	36.24
Duke Power Co	**Lee**	**237.0**	**12,572**	**1.03**	**9.97**	**169.2**	**42.54**
Kentucky		237.0	12,572	1.03	9.97	169.2	42.54
Bell		22.0	12,730	1.13	9.67	148.1	37.71
Floyd		20.0	12,354	.80	7.40	146.3	36.15
Harlan		100.0	12,689	1.08	9.30	202.1	51.30
Pike		95.0	12,458	1.01	11.27	143.7	35.80
Duke Power Co	**Dan River**	**66.0**	**12,441**	**.95**	**9.77**	**150.1**	**37.35**
Kentucky		47.0	12,324	.94	9.82	154.6	38.12
Bell		18.0	12,549	.63	6.63	178.5	44.80
Martin		11.0	12,315	.87	9.20	140.8	34.68
Pike		18.0	12,105	1.29	13.38	138.5	33.53
Virginia		11.0	13,217	1.18	7.90	137.8	36.43
Wise		11.0	13,217	1.18	7.90	137.8	36.43
West Virginia		8.0	12,060	.70	12.04	141.5	34.13
Boone		8.0	12,060	.70	12.04	141.5	34.13
Duke Power Co	**Riverbend**	**103.0**	**12,663**	**1.04**	**9.44**	**158.5**	**40.14**
Kentucky		83.0	12,682	.95	9.14	163.4	41.44
Bell		24.0	12,346	.95	9.21	162.3	40.07
Harlan		53.0	12,811	.93	8.86	166.4	42.63
Pike		6.0	12,882	1.17	11.33	141.3	36.40
Virginia		20.0	12,585	1.39	10.71	137.9	34.71
Dickenson		6.0	13,532	1.17	9.10	141.5	38.30
Lee		14.0	12,179	1.48	11.40	136.2	33.18
Duke Power Co	**Marshall**	**2,491.0**	**12,584**	**.98**	**10.61**	**178.7**	**44.99**
Kentucky		728.0	12,673	1.02	8.94	179.2	45.43
Bell		61.0	12,440	.94	8.93	165.3	41.13
Clay		4.0	11,517	1.08	11.67	145.4	33.50
Floyd		22.0	12,168	.90	9.47	150.1	36.53
Harlan		566.0	12,707	1.03	9.03	187.6	47.68
Magoffin		4.0	12,424	.85	7.30	151.2	37.57
Martin		39.0	12,810	1.03	7.57	135.3	34.66
Pike		32.0	12,863	1.25	8.45	138.4	35.59
Tennessee		1.0	11,576	.95	14.30	149.3	34.57
Campbell		1.0	11,576	.95	14.30	149.3	34.57
Virginia		1,742.0	12,549	.96	11.30	179.1	44.96
Lee		14.0	12,292	.89	9.80	137.8	33.89
Wise		1,728.0	12,551	.96	11.31	179.5	45.05
West Virginia		20.0	12,452	.69	10.69	127.8	31.82
Logan		1.0	12,602	.69	10.40	149.8	37.76
Mingo		19.0	12,444	.69	10.70	126.6	31.51
Duquesne Light Co	**Cheswick**	**1,255.0**	**12,376**	**1.49**	**11.91**	**143.6**	**35.55**

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Duquesne Light Co Cheswick						
Pennsylvania	814.0	12,361	1.45	11.65	149.3	36.91
Allegheny	704.0	12,381	1.39	11.33	150.6	37.29
Armstrong	4.0	12,521	1.52	11.86	117.9	29.52
Fayette	4.0	12,963	1.61	9.32	121.0	31.43
Greene	75.0	11,771	1.98	16.58	153.2	36.07
Washington	27.0	13,357	1.49	6.73	116.6	31.15
West Virginia	441.0	12,404	1.56	12.38	133.2	33.05
Boone	8.0	12,192	1.50	12.89	114.2	27.84
Fayette	7.0	12,424	1.47	12.50	95.5	23.74
Logan	4.0	12,237	1.56	12.33	125.5	30.71
Monongalia	410.0	12,391	1.57	12.44	134.4	33.31
Preston	12.0	13,056	1.56	9.74	130.0	33.94
Duquesne Light Co Elrama	**800.0**	**12,125**	**1.90**	**13.74**	**139.1**	**33.74**
Pennsylvania	619.0	12,096	1.90	13.96	142.3	34.42
Allegheny	184.0	12,233	1.73	12.26	148.0	36.20
Beaver	10.0	12,426	1.92	12.32	103.3	25.67
Greene	329.0	12,026	1.94	15.11	146.3	35.19
Washington	96.0	12,049	2.10	13.54	121.6	29.29
West Virginia	181.0	12,220	1.87	12.93	128.6	31.43
Monongalia	136.0	12,295	1.80	12.51	138.5	34.05
Preston	45.0	11,991	2.07	14.21	97.9	23.48
East Kentucky Power Coop Spurlock	**2,034.0**	**11,994**	**1.10**	**11.97**	**107.0**	**25.66**
Kentucky	957.0	11,928	1.04	11.21	109.5	26.12
Boyd	173.0	12,237	.61	10.78	108.2	26.49
Floyd	209.0	11,805	1.31	12.53	109.6	25.88
Greenup	219.0	11,466	1.78	11.29	109.9	25.19
Lawrence	107.0	12,094	.62	10.56	112.1	27.11
Magoffin	16.0	12,278	.55	13.40	100.7	24.74
Martin	10.0	11,517	.58	13.65	97.2	22.38
Perry	133.0	12,583	.69	8.62	115.4	29.04
Pike	25.0	11,536	.66	12.36	102.1	23.55
Unknown	65.0	11,576	.61	12.79	101.0	23.39
Ohio	96.0	11,114	2.70	11.85	85.6	19.02
Hocking	28.0	11,146	2.69	12.24	82.2	18.32
Jackson	68.0	11,100	2.70	11.69	86.9	19.30
West Virginia	981.0	12,145	1.00	12.73	106.5	25.87
Boone	57.0	12,257	.64	12.91	103.6	25.40
Fayette	387.0	12,183	1.49	13.33	103.9	25.33
Kanawha	31.0	11,830	.32	13.13	100.7	23.83
Logan	395.0	12,122	.63	12.34	110.3	26.74
Mason	19.0	11,759	2.48	11.76	88.4	20.80
Mingo	52.0	12,178	.58	10.87	108.9	26.52
Nicholas	40.0	12,215	.80	13.08	107.2	26.18
East Kentucky Power Coop Cooper	**581.0**	**12,147**	**1.40**	**10.71**	**122.2**	**29.68**
Kentucky	581.0	12,147	1.40	10.71	122.2	29.68
Clay	102.1	12,554	1.30	8.55	114.4	28.72
Jackson	3.0	11,533	1.07	9.07	95.3	21.99
Laurel	43.7	12,242	1.46	9.63	101.1	24.74
Leslie	22.0	12,274	1.15	10.36	100.0	24.54
Owsley	8.0	11,622	1.50	11.71	100.0	23.24
Pulaski	384.2	12,058	1.44	11.42	129.7	31.29
Unknown	18.0	11,694	1.28	10.56	99.4	23.24
East Kentucky Power Coop Dale	**278.5**	**12,191**	**.74**	**10.68**	**104.2**	**25.39**
Kentucky	278.5	12,191	.74	10.68	104.2	25.39
Bell	6.0	12,124	.75	11.07	104.6	25.36
Jackson	2.3	11,761	.78	8.23	101.3	23.83
Knott	42.0	12,367	.66	9.95	101.8	25.18
Lee	5.0	11,486	1.30	11.30	98.8	22.70
Owsley	1.0	12,009	1.30	6.90	109.5	26.30
Perry	212.2	12,190	.74	10.74	105.0	25.61
Pike	10.0	11,979	.82	12.79	97.8	23.44
Electric Energy Inc Joppa	**2,149.5**	**11,796**	**2.10**	**8.25**	**135.7**	**32.01**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

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Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Origin State County	Plant	Quantity (thousand short tons)	Average Quality: Btu (per pound)	Average Quality: Sulfur (percent by weight)	Average Quality: Ash (percent by weight)	Average Delivered Cost: (cents per million Btu)	Average Delivered Cost: (dollars per short ton)
Electric Energy Inc	**Joppa**						
Illinois		879.7	12,056	2.06	7.75	140.0	33.76
Franklin		383.1	11,823	2.07	7.67	109.2	25.82
Gallatin		2.7	11,950	2.39	9.70	95.0	22.70
Saline		493.9	12,238	2.06	7.80	163.3	39.98
Indiana		189.5	11,313	1.84	8.42	115.4	26.11
Dubois		80.9	11,195	1.89	9.34	113.4	25.39
Pike		66.4	11,592	1.57	6.42	128.6	29.81
Spencer		22.6	11,223	1.76	8.10	100.7	22.60
Warrick		19.6	10,961	2.69	11.79	94.0	20.61
Kentucky		1,070.6	11,689	2.20	8.67	135.5	31.68
Muhlenberg		67.0	11,258	2.82	10.66	164.9	37.13
Ohio		667.5	11,444	1.53	7.13	154.6	35.39
Union		336.3	12,261	3.40	11.34	94.8	23.25
Montana		9.5	9,402	.51	5.00	127.2	23.92
Big Horn		9.5	9,402	.51	5.00	127.2	23.92
Empire District Electric Co	**Riverton**	**167.0**	**10,501**	**.72**	**9.30**	**132.2**	**27.76**
Kansas		35.1	12,421	2.32	9.98	120.4	29.90
Crawford		35.1	12,421	2.32	9.98	120.4	29.90
Oklahoma		58.5	11,556	.40	11.73	155.9	36.03
Rogers		58.5	11,556	.40	11.73	155.9	36.03
Wyoming		73.3	8,737	.21	4.75	115.1	20.12
Campbell		73.3	8,737	.21	4.75	115.1	20.12
Empire District Electric Co	**Asbury**	**653.6**	**10,338**	**4.88**	**20.86**	**110.6**	**22.87**
Kansas		89.0	12,277	3.56	13.12	122.5	30.09
Crawford		89.0	12,277	3.56	13.12	122.5	30.09
Missouri		469.3	10,296	6.07	25.33	104.6	21.54
Barton		469.3	10,296	6.07	25.33	104.6	21.54
Wyoming		95.4	8,735	.21	4.76	129.8	22.68
Campbell		95.4	8,735	.21	4.76	129.8	22.68
Florida Power Corp	**Crystal River**	**5,831.6**	**12,696**	**.81**	**8.60**	**184.4**	**46.81**
Kentucky		3,811.8	12,743	.87	8.34	179.1	45.65
Breathitt		480.4	12,335	1.12	8.67	140.3	34.62
Floyd		97.8	12,795	.81	8.75	149.9	38.36
Harlan		913.9	12,563	1.02	9.28	205.5	51.63
Letcher		1,558.5	13,055	.71	6.92	171.3	44.74
Perry		512.0	12,405	.99	10.07	208.7	51.79
Pike		249.2	12,908	.68	9.39	158.4	40.89
Virginia		845.7	12,514	.70	9.26	221.6	55.46
Lee		845.7	12,514	.70	9.26	221.6	55.46
West Virginia		942.9	12,557	.75	10.09	183.9	46.19
Boone		920.3	12,557	.75	10.09	184.7	46.39
Fayette		22.6	12,543	.67	9.75	152.7	38.30
Imported		231.1	13,154	.52	4.53	140.3	36.90
Imported Coal		231.1	13,154	.52	4.53	140.3	36.90
Fremont City of	**Wright**	**126.8**	**10,918**	**.52**	**7.11**	**150.6**	**32.89**
Colorado		79.0	12,308	.69	7.25	179.5	44.18
Gunnison		79.0	12,308	.69	7.25	179.5	44.18
Montana		.4	9,427	.31	4.90	88.7	16.72
Big Horn		.4	9,427	.31	4.90	88.7	16.72
Wyoming		47.4	8,614	.23	6.88	82.5	14.21
Campbell		46.5	8,626	.23	6.79	83.3	14.38
Converse		.8	7,904	.33	12.30	25.3	4.00
Lincoln		.1	8,827	1.00	2.90	94.7	16.72
Gainesville City of	**Deerhaven**	**598.5**	**13,394**	**.74**	**6.26**	**170.5**	**45.67**
Kentucky		404.2	13,351	.71	5.95	170.3	45.47
Letcher		252.5	13,326	.70	6.23	171.8	45.79
Perry		104.9	13,430	.75	5.48	167.8	45.07
Pike		46.8	13,311	.67	5.51	167.7	44.66
Virginia		194.3	13,483	.80	6.90	170.9	46.09
Wise		194.3	13,483	.80	6.90	170.9	46.09
Georgia Power Co	**Harllee Branch**	**3,707.9**	**12,324**	**1.26**	**10.30**	**169.2**	**41.70**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Georgia Power Co **Harllee Branch**						
Kentucky	2,368.9	12,147	1.41	10.48	153.3	37.23
Bell	306.3	12,349	1.34	10.41	173.4	42.82
Breathitt	960.8	12,023	1.32	9.90	138.1	33.22
Clay	266.7	12,242	1.61	11.01	169.5	41.49
Floyd	13.7	11,997	1.25	11.00	138.3	33.18
Harlan	272.2	12,143	1.62	10.64	141.9	34.45
Leslie	40.8	12,477	1.47	11.31	178.3	44.49
Letcher	120.6	12,235	1.25	11.52	169.9	41.58
Owsley	24.8	11,971	1.94	11.57	137.2	32.85
Perry	329.6	12,170	1.46	11.04	168.3	40.96
Pike	33.4	12,372	1.09	10.89	136.5	33.77
Tennessee	893.3	12,675	.80	9.35	207.5	52.60
Claiborne	893.3	12,675	.80	9.35	207.5	52.60
Virginia	445.7	12,563	1.43	11.25	173.4	43.58
Lee	384.3	12,541	1.45	11.30	178.5	44.76
Wise	61.4	12,703	1.28	10.95	142.3	36.17
Georgia Power Co **Arkwright**	**179.8**	**12,593**	**2.04**	**10.73**	**158.9**	**40.03**
Tennessee	179.8	12,593	2.04	10.73	158.9	40.03
Campbell	179.8	12,593	2.04	10.73	158.9	40.03
Georgia Power Co **Atkinson-Mcdonoug**	**1,340.6**	**11,673**	**2.68**	**9.64**	**172.0**	**40.15**
Illinois	500.1	11,475	2.43	8.80	197.4	45.29
Franklin	281.8	11,802	1.98	7.78	202.6	47.82
Perry	218.3	11,052	3.00	10.12	190.1	42.03
Kentucky	835.4	11,790	2.83	10.14	157.3	37.10
Bell	24.9	12,553	1.30	9.86	150.7	37.83
Hopkins	789.0	11,755	2.89	10.11	157.8	37.11
Leslie	7.4	12,365	1.50	11.47	157.7	39.00
Webster	14.1	12,074	2.76	11.26	142.9	34.51
West Virginia	5.1	12,024	2.77	11.69	145.0	34.87
Kanawha	5.1	12,024	2.77	11.69	145.0	34.87
Georgia Power Co **Bowen**	**8,062.1**	**12,237**	**1.52**	**10.85**	**163.9**	**40.12**
Kentucky	8,062.1	12,237	1.52	10.85	163.9	40.12
Bell	1,521.2	12,348	1.35	10.57	157.6	38.91
Clay	548.4	12,243	1.63	11.08	153.8	37.66
Hopkins	816.7	11,753	2.93	10.13	154.7	36.36
Knox	199.0	12,234	1.63	11.02	165.2	40.43
Leslie	2,973.6	12,335	1.55	11.12	162.2	40.01
Perry	2,005.1	12,205	1.37	10.87	177.7	43.38
Georgia Power Co **Hammond**	**2,045.3**	**12,799**	**1.78**	**10.06**	**162.6**	**41.63**
Kentucky	638.0	12,416	2.26	11.11	157.4	39.08
Harlan	73.2	12,292	2.32	11.75	142.6	35.07
Leslie	27.0	12,644	1.48	10.83	148.5	37.55
Mccreary	533.3	12,425	2.29	11.01	160.0	39.75
Pike	4.5	12,026	1.86	14.09	143.6	34.54
Tennessee	107.3	12,515	1.63	10.40	146.1	36.57
Anderson	4.7	12,391	2.08	12.61	137.1	33.98
Campbell	97.4	12,550	1.61	10.24	146.6	36.61
Claiborne	5.2	11,987	1.66	11.24	144.1	34.55
Virginia	1,286.0	13,015	1.56	9.52	166.5	43.34
Buchanan	6.8	12,196	1.83	10.78	152.3	37.14
Lee	173.8	12,628	1.41	11.35	172.0	43.45
Wise	1,105.4	13,080	1.58	9.22	165.7	43.36
West Virginia	14.0	12,586	1.82	9.96	157.4	39.62
Mingo	14.0	12,586	1.82	9.96	157.4	39.62
Georgia Power Co **Yates**	**2,133.5**	**11,941**	**2.09**	**10.01**	**178.9**	**42.72**
Illinois	1,135.6	11,442	2.46	8.83	193.1	44.19
Franklin	644.3	11,796	2.01	7.74	199.0	46.94
Perry	491.3	10,978	3.02	10.27	184.8	40.57
Kentucky	62.4	12,173	2.27	10.14	140.9	34.30
Bell	9.4	12,395	1.77	10.06	144.5	35.82
Harlan	14.1	12,393	1.85	10.20	141.1	34.96
Hopkins	9.2	11,617	2.25	8.38	143.1	33.25
Webster	27.4	12,142	2.73	10.81	138.9	33.74
Whitley	2.3	12,521	1.51	8.97	139.1	34.83

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Georgia Power Co Yates						
Tennessee	190.2	12,434	2.12	11.12	158.2	39.34
Anderson	9.8	12,406	2.08	12.57	139.4	34.59
Campbell	172.5	12,448	2.15	11.10	159.8	39.79
Claiborne	7.9	12,148	1.54	9.69	145.2	35.29
Virginia	738.0	12,561	1.50	11.51	167.7	42.13
Buchanan	3.0	12,196	1.83	10.78	154.3	37.64
Lee	681.6	12,546	1.51	11.60	170.2	42.72
Wise	53.4	12,767	1.40	10.41	136.6	34.87
West Virginia	7.3	12,023	2.77	11.69	142.8	34.33
Kanawha	7.3	12,023	2.77	11.69	142.8	34.33
Georgia Power Co Mitchell	**308.2**	**12,570**	**1.36**	**9.96**	**198.7**	**49.95**
Kentucky	308.2	12,570	1.36	9.96	198.7	49.95
Bell	137.9	12,774	1.27	9.71	206.3	52.71
Clay	28.9	12,087	1.60	11.51	236.3	57.12
Harlan	51.4	12,475	1.34	9.20	167.9	41.90
Leslie	54.7	12,505	1.47	10.50	211.0	52.76
Owsley	25.9	12,364	1.38	9.69	161.6	39.96
Pike	9.4	12,545	1.40	10.64	170.5	42.78
Georgia Power Co Scherer	**2,302.1**	**12,513**	**.66**	**10.24**	**204.2**	**51.10**
Kentucky	23.5	12,453	.67	8.56	173.7	43.26
Pike	23.5	12,453	.67	8.56	173.7	43.26
Virginia	723.6	13,339	.73	7.34	157.0	41.88
Buchanan	26.7	14,094	.78	5.18	152.8	43.06
Lee	23.9	12,390	.74	8.04	165.6	41.03
Wise	673.0	13,343	.73	7.40	156.9	41.87
West Virginia	1,555.0	12,129	.63	11.61	228.8	55.50
Mingo	1,555.0	12,129	.63	11.61	228.8	55.50
Georgia Power Co Wansley	**4,185.3**	**11,489**	**2.48**	**9.05**	**189.5**	**43.55**
Illinois	3,944.7	11,427	2.51	8.99	193.1	44.13
Franklin	2,216.0	11,802	2.01	7.70	199.1	47.00
Perry	1,728.7	10,947	3.15	10.65	184.7	40.44
Kentucky	98.2	12,059	2.62	10.16	139.2	33.57
Hopkins	21.3	11,617	2.25	8.38	143.1	33.25
Webster	76.9	12,181	2.72	10.66	138.2	33.66
Virginia	125.3	12,926	1.41	9.82	132.8	34.34
Wise	125.3	12,926	1.41	9.82	132.8	34.34
West Virginia	17.1	12,024	2.77	11.69	142.8	34.33
Kanawha	17.1	12,024	2.77	11.69	142.8	34.33
Grand Haven City of J B Simms	**159.9**	**10,902**	**2.53**	**10.46**	**160.0**	**34.89**
Indiana	159.9	10,902	2.53	10.46	160.0	34.89
Greene	159.9	10,902	2.53	10.46	160.0	34.89
Grand Island City of Platte	**247.3**	**8,438**	**.34**	**5.09**	**79.8**	**13.47**
Wyoming	247.3	8,438	.34	5.09	79.8	13.47
Campbell	247.3	8,438	.34	5.09	79.8	13.47
Grand River Dam Authority GRDA 1	**2,798.8**	**8,513**	**.48**	**5.26**	**102.1**	**17.38**
Oklahoma	94.9	12,734	3.52	11.59	108.7	27.68
Haskell	64.9	12,671	3.60	12.83	104.4	26.45
Rogers	30.0	12,872	3.35	8.90	117.9	30.34
Wyoming	2,703.9	8,364	.37	5.04	101.7	17.02
Campbell	2,703.9	8,364	.37	5.04	101.7	17.02
Gulf Power Co Crist	**2,517.7**	**12,232**	**2.78**	**9.22**	**164.4**	**40.23**
Alabama	140.0	11,947	2.87	11.94	113.6	27.14
Walker	140.0	11,947	2.87	11.94	113.6	27.14
Illinois	1,453.1	12,136	2.62	8.73	197.3	47.90
Gallatin	956.9	12,121	2.65	9.08	200.0	48.49
Randolph	472.4	12,150	2.60	8.03	193.2	46.96
Saline	23.8	12,455	2.17	8.30	171.8	42.80
Kentucky	900.8	12,419	3.02	9.64	119.9	29.79
Hopkins	31.8	12,021	2.99	8.27	118.3	28.44
Union	869.0	12,433	3.02	9.69	120.0	29.84

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Gulf Power Co **Crist**						
West Virginia	23.8	12,710	2.49	8.10	173.4	44.08
Monongalia	23.8	12,710	2.49	8.10	173.4	44.08
Gulf Power Co **Smith**	**936.2**	**12,315**	**2.82**	**9.13**	**157.2**	**38.73**
Illinois	416.8	12,155	2.60	8.48	199.3	48.45
Gallatin	153.9	12,130	2.65	9.01	202.9	49.22
Randolph	251.4	12,165	2.58	8.17	198.3	48.25
Saline	11.5	12,277	2.35	8.20	173.5	42.60
Kentucky	507.6	12,433	3.01	9.66	123.1	30.61
Union	507.6	12,433	3.01	9.66	123.1	30.61
West Virginia	11.8	12,855	2.63	9.20	173.7	44.66
Monongalia	11.8	12,855	2.63	9.20	173.7	44.66
Gulf Power Co **Scholtz**	**301.2**	**12,506**	**2.84**	**8.54**	**138.7**	**34.69**
Alabama	5.6	12,304	2.99	12.20	131.3	32.31
Walker	5.6	12,304	2.99	12.20	131.3	32.31
Kentucky	295.6	12,510	2.84	8.47	138.8	34.73
Webster	295.6	12,510	2.84	8.47	138.8	34.73
Gulf States Utilities Co **Nelson**	**2,048.0**	**8,658**	**.51**	**5.28**	**201.4**	**34.87**
Wyoming	2,048.0	8,658	.51	6.28	201.4	34.87
Campbell	2,048.0	8,658	.51	6.28	201.4	34.87
Hamilton City of **Hamilton**	**112.6**	**12,527**	**.67**	**8.48**	**138.9**	**34.80**
Kentucky	30.1	12,469	.67	8.45	135.4	33.77
Martin	29.3	12,500	.67	8.36	135.3	33.83
Perry	.8	11,278	.77	12.20	140.5	31.69
West Virginia	82.5	12,547	.67	8.48	140.2	35.18
Fayette	82.5	12,547	.67	8.48	140.2	35.18
Hastings City of **Hastings**	**198.8**	**8,681**	**.33**	**5.18**	**90.2**	**15.66**
Wyoming	198.8	8,681	.33	5.18	90.2	15.66
Campbell	148.2	8,610	.35	5.15	88.6	15.25
Converse	50.6	8,888	.28	5.27	94.9	16.87
Holland City of **James De Young**	**125.6**	**13,293**	**.83**	**5.44**	**159.0**	**42.27**
Kentucky	125.6	13,293	.83	6.44	159.0	42.27
Magoffin	125.6	13,293	.83	6.44	159.0	42.27
Holyoke Water Power Co **Mount Tom**	**415.1**	**13,194**	**1.31**	**7.29**	**172.7**	**45.58**
Pennsylvania	415.1	13,194	1.31	7.29	172.7	45.58
Clearfield	324.0	13,227	1.33	7.54	173.1	45.81
Greene	82.9	13,055	1.21	6.21	170.8	44.59
Somerset	8.2	13,300	1.60	8.30	174.5	46.42
Hoosier Energy R E C Inc **Merom**	**1,933.1**	**11,060**	**3.54**	**11.72**	**108.7**	**24.05**
Indiana	1,933.1	11,060	3.54	11.72	108.7	24.05
Clay	858.9	11,095	3.87	11.26	140.4	31.16
Daviess	147.6	11,124	2.96	10.74	84.0	18.68
Greene	95.9	10,838	2.47	10.62	87.2	18.90
Knox	73.6	10,839	3.64	12.65	78.1	16.93
Parke	14.1	11,242	3.38	10.50	79.8	17.94
Pike	587.9	11,079	3.75	13.03	80.4	17.82
Sullivan	12.2	11,360	2.41	10.12	90.4	20.53
Vigo	119.5	10,949	2.14	10.18	96.6	21.15
Warrick	23.4	10,795	1.94	12.54	82.2	17.75
Hoosier Energy R E C Inc **Frank E Ratts**	**437.5**	**11,047**	**2.95**	**9.66**	**134.2**	**29.64**
Indiana	437.5	11,047	2.95	9.66	134.2	29.64
Pike	437.5	11,047	2.95	9.66	134.2	29.64
Houston Lighting & Power Co **Limestone**	**7,473.9**	**6,399**	**1.01**	**18.08**	**155.3**	**19.88**
Texas	7,473.9	6,399	1.01	18.08	155.3	19.88
Freestone	7,473.9	6,399	1.01	18.08	155.3	19.88
Houston Lighting & Power Co **Parish**	**7,996.0**	**8,491**	**.42**	**5.72**	**239.1**	**40.60**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Houston Lighting & Power Co Parish						
Montana	569.2	8,571	0.42	5.68	234.1	40.14
Big Horn	569.2	8,571	.42	5.68	234.1	40.14
Wyoming	7,426.8	8,484	.42	5.72	239.5	40.64
Campbell	7,426.8	8,484	.42	5.72	239.5	40.64
Illinois Power Co Baldwin	**4,106.0**	**10,865**	**2.84**	**10.27**	**148.0**	**32.17**
Illinois	4,106.0	10,865	2.84	10.27	148.0	32.17
Perry	1,903.9	10,881	2.91	10.45	149.9	32.62
Randolph	1,446.0	10,852	2.78	10.10	146.5	31.79
Washington	756.2	10,852	2.78	10.11	146.4	31.77
Illinois Power Co Hennepin	**613.8**	**10,923**	**2.75**	**10.15**	**154.6**	**33.78**
Illinois	613.8	10,923	2.75	10.15	154.6	33.78
Randolph	404.7	10,923	2.75	10.15	154.7	33.79
Washington	209.1	10,921	2.75	10.15	154.6	33.77
Illinois Power Co Havana	**583.8**	**12,604**	**.67**	**8.55**	**147.8**	**37.27**
Kentucky	460.9	12,594	.68	8.63	145.3	36.59
Letcher	460.9	12,594	.68	8.63	145.3	36.59
West Virginia	122.9	12,643	.65	8.23	157.3	39.78
Boone	122.9	12,643	.65	8.23	157.3	39.78
Illinois Power Co Wood River	**581.9**	**12,229**	**1.00**	**5.34**	**160.3**	**39.20**
Illinois	581.9	12,229	1.00	5.34	160.3	39.20
Hamilton	15.1	12,207	.91	5.30	159.5	38.94
Jefferson	566.9	12,230	1.00	5.34	160.3	39.20
Illinois Power Co Vermilion	**435.8**	**10,739**	**2.26**	**11.59**	**115.8**	**24.86**
Illinois	225.8	10,589	2.42	12.73	116.5	24.67
Douglas	225.8	10,589	2.42	12.73	116.5	24.67
Indiana	210.0	10,900	2.10	10.37	115.0	25.07
Greene	125.3	10,973	2.12	10.50	116.2	25.50
Owen	84.7	10,791	2.06	10.19	113.2	24.43
Indiana & Michigan Electric Co Breed	**660.9**	**11,014**	**3.98**	**11.17**	**151.2**	**33.31**
Indiana	660.9	11,014	3.98	11.17	151.2	33.31
Clay	660.9	11,014	3.98	11.17	151.2	33.31
Indiana & Michigan Electric Co Tanners Creek	**1,403.2**	**11,792**	**1.83**	**8.41**	**178.0**	**41.99**
Indiana	738.8	11,066	2.86	8.67	133.8	29.60
Warrick	738.8	11,066	2.86	3.67	133.8	29.60
Kentucky	595.6	12,671	.69	7.79	221.8	56.20
Floyd	35.1	12,066	.63	11.14	209.9	50.65
Pike	21.3	12,151	.66	10.16	221.8	53.90
Unknown	539.2	12,731	.69	7.47	222.5	56.65
West Virginia	68.8	11,979	.66	10.97	216.8	51.95
Logan	21.4	11,842	.65	11.50	221.8	52.53
Mingo	15.1	11,969	.68	11.05	210.4	50.36
Wayne	32.3	12,075	.65	10.58	216.6	52.31
Indiana & Michigan Electric Co Rockport	**3,226.1**	**8,237**	**.35**	**5.19**	**161.7**	**26.65**
Kentucky	1.4	13,060	1.27	5.90	192.5	50.28
Whitley	1.4	13,060	1.27	5.90	192.5	50.28
Montana	.1	8,234	.34	4.70	157.5	25.94
Big Horn	.1	8,234	.34	4.70	157.5	25.94
Wyoming	3,224.6	8,235	.35	5.19	161.7	26.64
Campbell	3,224.6	8,235	.35	5.19	161.7	26.64
Indiana-Kentucky Electric Corp Culley Creek	**3,932.0**	**11,544**	**3.32**	**10.67**	**109.4**	**25.27**
Indiana	896.0	11,076	3.04	9.14	101.3	22.44
Pike	64.0	10,978	3.26	11.43	90.8	19.94
Spencer	17.0	11,345	3.01	7.91	80.1	18.18
Warrick	815.0	11,078	3.01	8.98	102.6	22.73
Kentucky	3,024.0	11,682	3.41	11.13	111.7	26.10
Butler	27.0	11,561	3.23	9.36	93.3	21.57
Hopkins	2,313.0	11,641	3.41	11.21	117.7	27.39
Mclean	211.0	11,915	3.09	10.95	92.2	21.98
Ohio	92.0	11,574	3.33	9.30	91.8	21.26
Webster	381.0	11,832	3.56	11.30	93.2	22.06

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Indiana-Kentucky Electric Corp Clifty Creek						
Ohio	10.0	11,611	2.95	9.52	102.1	23.71
Hocking	4.0	11,310	3.26	10.90	106.2	24.02
Jackson	6.0	11,812	2.75	8.60	99.5	23.51
West Virginia	2.0	12,260	4.04	9.90	152.8	37.47
Marshall	2.0	12,260	4.04	9.90	152.8	37.47
Indianapolis Power & Light Co Stout	**839.0**	**11,148**	**1.83**	**8.68**	**135.3**	**30.17**
Indiana	839.0	11,148	1.83	8.68	135.3	30.17
Greene	391.0	11,414	1.59	7.86	120.4	27.48
Sullivan	439.0	10,915	2.05	9.42	149.1	32.55
Warrick	9.0	10,969	2.11	8.47	140.6	30.85
Indianapolis Power & Light Co Petersburg	**4,097.0**	**11,180**	**2.08**	**8.00**	**103.1**	**23.06**
Indiana	4,097.0	11,180	2.08	8.00	103.1	23.06
Daviess	680.0	11,438	1.73	7.92	105.1	24.03
Greene	392.0	11,397	1.15	7.14	117.7	26.83
Knox	162.0	11,001	.87	8.52	119.3	26.24
Pike	172.0	11,279	2.65	8.57	86.2	19.45
Warrick	2,691.0	11,088	2.35	8.07	100.6	22.31
Indianapolis Power & Light Co Pritchard	**345.0**	**11,262**	**2.20**	**7.75**	**115.1**	**25.92**
Indiana	345.0	11,262	2.20	7.75	115.1	25.92
Greene	34.0	11,606	1.59	7.43	115.9	26.90
Sullivan	3.0	10,887	.57	7.93	150.3	32.73
Warrick	308.0	11,228	2.29	7.76	114.7	25.75
Interstate Power Co Fox Lake	**71.9**	**10,646**	**1.68**	**10.47**	**147.6**	**31.43**
Indiana	71.9	10,646	1.68	10.47	147.6	31.43
Spencer	71.9	10,646	1.68	10.47	147.6	31.43
Interstate Power Co Dubuque	**62.0**	**11,080**	**2.82**	**9.19**	**102.0**	**22.61**
Indiana	62.0	11,080	2.82	9.19	102.0	22.61
Spencer	62.0	11,080	2.82	9.19	102.0	22.61
Interstate Power Co Lansing	**825.2**	**8,485**	**.39**	**4.81**	**209.6**	**35.57**
Indiana	18.0	11,022	2.49	8.97	107.2	23.64
Spencer	18.0	11,022	2.49	8.97	107.2	23.64
Wyoming	807.2	8,429	.34	4.71	212.6	35.83
Campbell	807.2	8,429	.34	4.71	212.6	35.83
Interstate Power Co Kapp	**421.4**	**11,039**	**2.94**	**9.78**	**145.6**	**32.15**
Illinois	421.4	11,039	2.94	9.78	145.6	32.15
Randolph	421.4	11,039	2.94	9.78	145.6	32.15
Iowa Electric Light & Power Prairie Creek 1-4	**475.0**	**11,706**	**2.19**	**7.82**	**136.2**	**31.89**
Illinois	428.0	11,859	2.19	7.61	136.0	32.25
Franklin	428.0	11,859	2.19	7.61	136.0	32.25
Iowa	47.0	10,312	2.19	9.71	138.9	28.64
Marion	47.0	10,312	2.19	9.71	138.9	28.64
Iowa Electric Light & Power 6th St	**76.0**	**11,862**	**2.21**	**7.65**	**139.5**	**33.09**
Illinois	76.0	11,862	2.21	7.65	139.5	33.09
Franklin	76.0	11,862	2.21	7.65	139.5	33.09
Iowa Electric Light & Power Sutherland	**244.0**	**11,047**	**2.13**	**8.73**	**143.3**	**31.67**
Illinois	53.0	11,853	2.24	7.69	146.1	34.63
Franklin	53.0	11,853	2.24	7.69	146.1	34.63
Indiana	124.0	10,980	2.06	9.52	147.7	32.44
Sullivan	124.0	10,980	2.06	9.52	147.7	32.44
Iowa	48.0	10,342	2.35	8.46	129.9	26.88
Marion	19.0	10,325	3.12	10.18	127.6	26.35
Monroe	29.0	10,353	1.84	7.33	131.4	27.22
Missouri	9.0	10,621	2.88	8.04	126.6	26.89
Putnam	9.0	10,621	2.88	8.04	126.6	26.89
Wyoming	10.0	11,381	.65	6.47	148.3	33.75
Carbon	10.0	11,381	.65	6.47	148.3	33.75
Iowa Power & Light Co Council Bluffs	**2,830.7**	**8,424**	**.35**	**4.78**	**100.4**	**16.91**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Origin State County	Plant	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
			Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Iowa Power & Light Co	**Council Bluffs**						
Wyoming		2,830.7	8,424	0.35	4.78	100.4	16.91
Campbell		2,830.7	8,424	.35	4.78	100.4	16.91
Iowa Public Service Co	**George Neal 1/4**	**2,967.9**	**9,502**	**.50**	**6.26**	**120.9**	**22.98**
Wyoming		2,967.9	9,502	.50	6.26	120.9	22.98
Campbell		1,781.0	8,423	.36	5.41	99.0	16.67
Carbon		1,143.9	11,206	.73	7.62	147.4	33.04
Converse		43.0	8,857	.32	5.43	94.9	16.81
Iowa Southern Utilities Co	**Ottumwa**	**2,281.9**	**8,402**	**.34**	**5.46**	**110.2**	**18.52**
Montana		.7	9,500	.40	4.75	89.8	17.06
Big Horn		.7	9,500	.40	4.75	89.8	17.06
Wyoming		2,281.2	8,402	.34	5.46	110.2	18.52
Campbell		2,281.2	8,402	.34	5.46	110.2	18.52
Iowa Southern Utilities Co	**Burlington**	**400.5**	**11,044**	**2.71**	**9.51**	**105.3**	**23.26**
Illinois		126.3	11,167	2.69	9.30	101.1	22.58
Franklin		29.8	11,823	1.03	7.45	97.2	22.98
St Clair		96.5	10,985	2.92	9.86	102.4	22.46
Indiana		274.2	10,987	2.72	9.61	107.3	23.58
Warrick		274.2	10,987	2.72	9.61	107.3	23.58
Iowa-Illinois Gas&Electric Co	**Riverside**	**303.0**	**11,820**	**1.98**	**7.74**	**113.1**	**26.73**
Illinois		292.0	11,822	2.03	7.80	112.2	26.54
Franklin		292.0	11,822	2.03	7.80	112.2	26.54
Indiana		11.0	11,782	.72	6.00	135.3	31.88
Daviess		11.0	11,782	.72	6.00	135.3	31.88
Iowa-Illinois Gas&Electric Co	**Louisa**	**2,198.0**	**8,375**	**.35**	**5.18**	**111.8**	**18.72**
Wyoming		2,198.0	8,375	.35	5.18	111.8	18.72
Campbell		2,198.0	8,375	.35	5.18	111.8	18.72
Jacksonville Electric Auth	**St. Johns River**	**2,868.6**	**12,297**	**.89**	**9.76**	**163.5**	**40.21**
Kentucky		1,215.3	12,702	1.03	9.18	164.4	41.75
Bell		28.5	12,590	1.23	7.86	130.3	32.81
Harlan		893.5	12,860	1.04	8.82	172.0	44.24
Perry		293.4	12,231	.95	10.43	143.2	35.04
West Virginia		966.4	12,115	.84	12.63	175.6	42.54
Logan		966.4	12,115	.84	12.63	175.6	42.54
Imported		686.9	11,838	.70	6.72	144.4	34.19
Imported Coal		686.9	11,838	.70	6.72	144.4	34.19
Jamestown City of	**Samuel A Carlson**	**137.3**	**12,764**	**1.61**	**11.12**	**129.4**	**33.03**
Pennsylvania		137.3	12,764	1.61	11.12	129.4	33.03
Armstrong		9.9	12,546	1.67	11.40	130.7	32.79
Clarion		32.8	12,905	1.41	10.34	129.6	33.44
Jefferson		94.5	12,737	1.67	11.37	129.2	32.92
Kansas City City of	**Quindaro**	**475.9**	**11,475**	**2.40**	**10.93**	**174.3**	**39.99**
Illinois		437.4	11,540	2.56	11.32	178.4	41.19
Williamson		437.4	11,540	2.56	11.32	178.4	41.19
Wyoming		38.6	10,731	.59	6.57	123.1	26.42
Carbon		38.6	10,731	.59	6.57	123.1	26.42
Kansas City City of	**Kaw**	**146.6**	**11,409**	**2.19**	**10.80**	**158.6**	**36.18**
Illinois		119.4	11,562	2.56	11.77	166.1	38.41
Williamson		119.4	11,562	2.56	11.77	166.1	38.41
Wyoming		27.2	10,738	.59	6.55	123.1	26.44
Carbon		27.2	10,738	.59	6.55	123.1	26.44
Kansas City City of	**Nearman**	**870.1**	**8,391**	**.37**	**4.90**	**108.0**	**18.12**
Wyoming		870.1	8,391	.37	4.90	108.0	18.12
Campbell		837.0	8,381	.37	4.90	108.6	18.20
Carbon		33.1	8,662	.28	4.93	93.3	16.16
Kansas City Power & Light Co	**Hawthorne**	**1,320.0**	**8,735**	**.26**	**4.94**	**87.5**	**15.29**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company / Plant Origin State County		Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
			Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Kansas City Power & Light Co	**Hawthorne**						
Wyoming		1,320.0	8,735	0.26	4.94	87.5	15.29
Campbell		1,320.0	8,735	.26	4.94	87.5	15.29
Kansas City Power & Light Co	**Iatan**	**2,312.7**	**8,885**	**.36**	**4.92**	**82.1**	**14.59**
Wyoming		2,312.7	8,885	.36	4.92	82.1	14.59
Campbell		2,312.7	8,885	.36	4.92	82.1	14.59
Kansas City Power & Light Co	**La Cygne**	**3,094.0**	**9,247**	**1.33**	**8.01**	**111.1**	**20.55**
Illinois		654.9	11,552	2.49	8.47	118.1	27.29
Franklin		484.8	11,774	2.27	7.74	118.1	27.82
Perry		170.1	10,917	3.13	10.56	118.1	25.79
Kansas		279.8	9,150	4.86	25.33	128.0	23.43
Linn		279.8	9,150	4.86	25.33	128.0	23.43
Missouri		92.9	9,144	4.84	25.28	128.0	23.41
Bates		92.9	9,144	4.84	25.28	128.0	23.41
Wyoming		2,066.4	8,534	.33	4.74	104.8	17.89
Campbell		2,066.4	8,534	.33	4.74	104.8	17.89
Kansas City Power & Light Co	**Montrose**	**1,421.1**	**8,520**	**.30**	**5.25**	**104.9**	**17.88**
Wyoming		1,421.1	8,520	.30	5.25	104.9	17.88
Campbell		1,421.1	8,520	.30	5.25	104.9	17.88
Kansas Power & Light Co	**Lawrence**	**992.4**	**10,983**	**.82**	**8.58**	**127.8**	**28.08**
Wyoming		992.4	10,983	.82	8.58	127.8	28.08
Carbon		992.4	10,983	.82	8.58	127.8	28.08
Kansas Power & Light Co	**Jeffrey Energy**	**7,661.4**	**8,423**	**.35**	**4.66**	**128.4**	**21.63**
Wyoming		7,661.4	8,423	.35	4.66	128.4	21.63
Campbell		7,661.4	8,423	.35	4.66	128.4	21.63
Kansas Power & Light Co	**Tecumseh**	**390.5**	**10,978**	**.83**	**7.71**	**127.7**	**28.04**
Wyoming		390.5	10,978	.83	7.71	127.7	28.04
Carbon		390.5	10,978	.83	7.71	127.7	28.04
Kentucky Power Co	**Big Sandy**	**1,771.4**	**12,032**	**1.19**	**12.19**	**128.6**	**30.94**
Kentucky		1,720.5	12,026	1.20	12.21	129.4	31.12
Breathitt		7.7	12,250	1.11	8.80	101.4	24.84
Floyd		342.1	12,100	1.25	11.84	100.4	24.29
Johnson		555.4	11,999	1.41	13.25	162.7	39.04
Letcher		121.1	12,316	1.06	11.60	98.3	24.21
Martin		694.2	11,959	1.04	11.70	123.1	29.44
West Virginia		50.9	12,234	.96	11.50	100.9	24.70
Logan		22.3	12,351	.79	11.87	102.1	25.22
Wayne		28.6	12,142	1.09	11.21	100.0	24.28
Kentucky Utilities Co	**Green River**	**470.1**	**12,035**	**2.35**	**7.62**	**98.6**	**23.74**
Kentucky		470.1	12,035	2.35	7.62	98.6	23.74
Butler		5.2	11,011	1.55	13.33	96.1	21.16
Hopkins		10.2	11,356	2.26	10.16	100.0	22.72
Muhlenberg		69.6	11,664	2.34	8.37	101.3	23.63
Ohio		355.7	12,091	2.33	7.26	97.7	23.62
Webster		29.3	12,653	2.77	8.24	103.5	26.19
Kentucky Utilities Co	**Brown**	**1,412.1**	**11,739**	**2.14**	**9.63**	**101.2**	**23.76**
Indiana		632.9	11,458	1.62	6.73	103.1	23.62
Pike		632.9	11,458	1.62	6.73	103.1	23.62
Kentucky		545.9	11,721	2.42	12.46	99.2	23.25
Breathitt		120.2	11,526	2.31	12.54	98.2	22.63
Laurel		13.5	11,461	1.77	12.37	98.2	22.50
Letcher		42.2	11,736	1.20	14.14	95.9	22.52
Owsley		145.7	11,593	2.51	12.45	98.6	22.86
Perry		40.6	11,844	1.82	11.87	102.0	24.16
Pulaski		59.9	12,157	3.14	11.73	100.6	24.47
Whitley		70.4	12,146	3.04	11.77	101.4	24.62
Wolfe		53.2	11,420	2.38	13.11	98.9	22.59
Tennessee		233.3	12,540	2.88	10.89	101.0	25.34
Anderson		233.3	12,540	2.88	10.89	101.0	25.34
Kentucky Utilities Co	**Ghent**	**3,952.2**	**12,162**	**1.15**	**9.82**	**142.7**	**34.72**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Kentucky Utilities Co Ghent						
Indiana	803.9	11,169	2.88	9.02	127.6	28.50
Daviess	27.7	11,207	2.16	9.73	91.0	20.39
Dubois	48.5	11,742	2.56	8.46	89.0	20.89
Warrick	727.6	11,129	2.93	9.03	131.7	29.32
Kentucky	2,176.4	12,533	.77	9.48	160.0	40.11
Breathitt	12.1	11,366	2.31	11.80	91.6	20.83
Daviess	24.8	11,156	2.15	9.96	91.7	20.46
Floyd	187.0	12,075	.64	11.59	113.3	27.37
Henderson	59.5	11,270	2.65	9.03	95.1	21.43
Johnson	76.9	12,110	.63	11.22	111.9	27.10
Knott	121.6	11,900	.63	12.19	111.5	26.55
Lawrence	21.2	12,199	.62	10.04	121.6	29.66
Letcher	643.0	13,337	.73	6.80	242.7	64.73
Martin	572.6	12,246	.64	10.45	112.2	27.49
Ohio	21.9	11,393	2.94	9.70	95.1	21.66
Perry	425.1	12,536	.64	10.11	150.9	37.83
Pike	10.7	12,341	.65	10.44	109.5	27.04
West Virginia	971.9	12,153	.62	11.24	114.3	27.79
Boone	52.6	12,233	.68	11.69	115.3	28.21
Kanawha	180.7	12,201	.65	11.34	117.2	28.59
Logan	93.5	12,213	.59	11.33	111.8	27.31
Mingo	645.1	12,125	.62	11.16	113.8	27.60
Kentucky Utilities Co Tyrone	**50.3**	**12,080**	**.86**	**11.20**	**119.0**	**28.75**
Kentucky	50.3	12,080	.86	11.20	119.0	28.75
Perry	50.3	12,080	.86	11.20	119.0	28.75
Lakeland City of Plant 3-McIntosh	**731.2**	**12,296**	**1.65**	**10.95**	**217.6**	**53.52**
Kentucky	731.2	12,296	1.65	10.95	217.6	53.52
Leslie	731.2	12,296	1.65	10.95	217.6	53.52
Lansing City of Eckert	**697.3**	**13,028**	**.84**	**7.09**	**199.8**	**52.07**
Kentucky	652.7	13,026	.84	7.06	201.9	52.59
Floyd	568.0	13,055	.84	6.82	206.3	53.85
Harlan	7.9	13,095	.91	7.30	170.3	44.60
Pike	76.8	12,803	.84	8.76	172.3	44.11
West Virginia	44.6	13,062	.83	7.54	170.0	44.42
Boone	42.5	13,062	.83	7.50	170.0	44.40
Mingo	2.1	13,047	.85	8.40	171.6	44.78
Lansing City of Erickson	**211.1**	**12,958**	**.82**	**7.43**	**191.9**	**49.75**
Kentucky	191.7	12,958	.82	7.37	194.0	50.27
Floyd	159.4	12,992	.82	7.15	198.7	51.64
Pike	32.3	12,796	.82	8.43	169.9	43.49
West Virginia	19.4	12,956	.84	8.07	172.1	44.59
Boone	17.5	12,946	.84	8.03	172.1	44.57
Mingo	1.9	13,047	.85	8.40	171.6	44.78
Lansing City of Ottawa	**20.7**	**13,164**	**.78**	**4.11**	**212.4**	**55.92**
Kentucky	20.7	13,164	.78	4.11	212.4	55.92
Knox	20.7	13,164	.78	4.11	212.4	55.92
Los Angeles City of Intermountain	**4,372.9**	**11,777**	**.56**	**8.66**	**139.8**	**32.92**
Utah	4,372.9	11,777	.56	8.66	139.8	32.92
Carbon	2,673.0	11,714	.56	8.78	148.1	34.69
Emery	603.8	12,226	.64	8.78	85.1	20.81
Sevier	1,096.0	11,682	.53	8.26	151.1	35.30
Louisville Gas & Electric Co Cane Run	**749.6**	**11,222**	**3.48**	**12.18**	**137.2**	**30.78**
Indiana	18.9	11,292	2.73	8.20	102.8	23.21
Daviess	.5	11,146	1.80	8.10	102.3	22.80
Gibson	4.6	10,809	1.94	8.80	107.5	23.24
Pike	13.8	11,458	3.03	8.00	101.3	23.21
Kentucky	730.7	11,220	3.50	12.29	138.1	30.98
Daviess	1.0	11,146	1.80	8.10	102.3	22.80
Hopkins	113.4	11,328	3.32	12.35	118.1	26.75
Muhlenberg	609.7	11,198	3.53	12.31	141.8	31.76
Ohio	6.6	11,441	3.81	10.10	141.9	32.47

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company / Origin State / County	Plant	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
			Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Louisville Gas & Electric Co	**Mill Creek**	**2,779.5**	**11,388**	**3.26**	**10.98**	**127.9**	**29.12**
Indiana		139.7	10,885	2.49	9.03	91.7	19.95
Daviess		16.2	11,211	2.23	8.76	91.6	20.55
Dubois		12.2	11,311	2.69	7.83	91.5	20.71
Gibson		59.5	10,923	2.26	8.80	96.2	21.02
Spencer		12.3	10,170	2.99	10.40	67.9	13.81
Warrick		39.5	10,786	2.72	9.46	91.7	19.79
Kentucky		2,639.8	11,414	3.30	11.08	129.7	29.61
Daviess		32.1	11,211	2.23	8.75	91.6	20.54
Hopkins		690.2	11,608	3.42	10.86	112.0	26.01
Muhlenberg		1,821.9	11,352	3.30	11.31	137.9	31.30
Ohio		95.6	11,272	2.82	9.02	117.1	26.40
Lower Colorado River Authority	**S Seymour-Fayette**	**5,593.0**	**8,589**	**.34**	**5.30**	**146.9**	**25.23**
Texas		218.0	6,491	1.35	12.16	159.3	20.68
Bastrop		218.0	6,491	1.35	12.16	159.3	20.68
Wyoming		5,375.0	8,674	.30	5.02	146.5	25.41
Campbell		3,721.0	8,765	.29	4.94	155.0	27.17
Converse		1,654.0	8,469	.32	5.22	126.7	21.46
Madison Gas & Electric Co	**Blount**	**150.0**	**12,164**	**2.09**	**7.66**	**163.6**	**39.79**
Illinois		150.0	12,164	2.09	7.66	163.6	39.79
Saline		150.0	12,164	2.09	7.66	163.6	39.79
Manitowoc City of	**Manitowoc**	**101.9**	**13,129**	**.85**	**7.30**	**168.4**	**44.23**
Kentucky		101.9	13,129	.85	7.30	168.4	44.23
Knott		19.2	13,160	.77	7.90	166.4	43.80
Lee		3.4	13,032	1.08	6.27	170.4	44.40
Perry		47.5	13,108	.83	7.48	169.1	44.33
Pike		31.8	13,156	.89	6.77	168.5	44.33
Marquette City of	**Shiras**	**117.3**	**8,899**	**.50**	**6.43**	**189.1**	**33.65**
Montana		117.3	8,899	.50	6.43	189.1	33.65
Big Horn		88.2	8,899	.50	6.43	189.1	33.65
Rosebud		29.1	8,899	.50	6.43	189.1	33.65
Metropolitan Edison Co	**Portland**	**648.6**	**12,928**	**2.02**	**8.24**	**159.1**	**41.13**
Pennsylvania		501.0	12,856	2.01	8.61	159.5	41.02
Clarion		261.4	12,794	2.08	7.68	159.2	40.74
Greene		14.8	13,246	1.81	6.56	160.4	42.48
Jefferson		224.8	12,904	1.95	9.59	159.8	41.24
West Virginia		147.6	13,172	2.06	6.99	157.6	41.52
Barbour		126.8	13,151	2.01	7.03	157.3	41.38
Monongalia		20.8	13,301	2.34	6.75	159.3	42.37
Metropolitan Edison Co	**Titus**	**443.8**	**13,199**	**1.47**	**7.02**	**168.1**	**44.38**
Pennsylvania		363.8	13,257	1.46	6.55	171.1	45.37
Armstrong		7.1	12,732	1.44	10.20	158.8	40.44
Clearfield		15.9	12,890	1.69	10.38	153.9	39.69
Greene		333.0	13,285	1.45	6.29	172.4	45.81
Washington		7.8	13,300	1.58	6.55	159.4	42.39
West Virginia		80.0	12,932	1.50	9.18	154.3	39.90
Barbour		7.2	13,055	1.77	7.49	152.8	39.90
Nicholas		14.0	13,228	1.54	7.85	152.8	40.44
Preston		14.1	12,601	1.42	9.80	150.4	37.92
Randolph		44.7	12,925	1.48	9.68	156.1	40.36
Michigan South Central Pwr Agy	**Project 1**	**110.8**	**11,797**	**3.20**	**10.29**	**203.6**	**48.04**
Ohio		110.8	11,797	3.20	10.29	203.6	48.04
Carroll		80.2	11,931	3.18	10.69	213.1	50.85
Holmes		23.9	11,347	3.41	9.09	163.5	37.10
Perry		6.7	11,799	2.82	9.87	226.7	53.50
Minnesota Power & Light Co	**Aurora-Syl Laskin**	**23.2**	**8,551**	**.71**	**9.13**	**167.3**	**28.61**
Montana		23.2	8,551	.71	9.13	167.3	28.61
Rosebud		23.2	8,551	.71	9.13	167.3	28.61
Minnesota Power & Light Co	**Boswell**	**3,795.5**	**8,594**	**.81**	**8.91**	**132.3**	**22.73**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Minnesota Power & Light Co — Boswell						
Montana	3,783.8	8,593	0.81	8.92	132.2	22.73
Rosebud	3,783.8	8,593	.81	8.92	132.2	22.73
Wyoming	11.7	8,706	.25	4.50	140.0	24.38
Campbell	11.7	8,706	.25	4.50	140.0	24.38
Minnkota Power Coop Inc — Young	**3,863.2**	**6,707**	**.71**	**7.48**	**48.6**	**6.52**
North Dakota	3,863.2	6,707	.71	7.48	48.6	6.52
Oliver	3,863.2	6,707	.71	7.48	48.6	6.52
Mississippi Power Co — Daniel	**2,305.9**	**12,976**	**.70**	**7.28**	**188.3**	**48.86**
Kentucky	1,911.1	13,007	.70	6.96	193.9	50.45
Bell	20.2	13,225	.67	4.31	164.5	43.51
Breathitt	4.0	12,841	.74	6.70	150.3	38.60
Floyd	4.0	12,841	.74	6.70	150.3	38.60
Harlan	57.0	12,721	.60	7.50	165.2	42.03
Knott	72.8	12,641	.64	10.30	148.4	37.51
Letcher	1,614.2	13,025	.71	6.86	201.1	52.38
Perry	24.5	13,293	.65	5.09	154.5	41.07
Pike	114.4	13,038	.66	6.89	152.0	39.63
Virginia	64.2	13,458	.71	6.54	166.7	44.86
Wise	64.2	13,458	.71	6.54	166.7	44.86
West Virginia	330.6	12,702	.68	9.29	159.2	40.43
Boone	233.3	12,748	.68	9.39	157.7	40.21
Logan	69.1	12,628	.71	8.81	162.9	41.15
Mingo	28.2	12,506	.62	9.55	161.9	40.48
Mississippi Power Co — Watson	**1,814.7**	**12,314**	**2.49**	**7.83**	**163.5**	**40.27**
Alabama	16.0	12,554	2.45	11.20	153.0	38.41
Jefferson	5.3	12,554	2.45	11.20	153.0	38.41
Tuscaloosa	10.7	12,554	2.45	11.20	153.0	38.41
Illinois	840.5	12,406	2.45	8.16	160.2	39.76
Gallatin	237.4	12,887	2.58	7.77	143.1	36.89
Saline	603.1	12,217	2.41	8.31	167.4	40.89
Kentucky	821.4	12,231	2.52	7.54	164.4	40.20
Carter	6.9	12,479	2.49	6.80	174.1	43.45
Hopkins	431.1	12,234	2.49	7.10	180.0	44.04
Webster	383.4	12,223	2.56	8.05	146.6	35.84
West Virginia	136.8	12,222	2.49	7.12	180.3	44.07
Logan	136.8	12,222	2.49	7.12	180.3	44.07
Missouri Public Service Comm — Sibley	**835.5**	**10,979**	**3.07**	**10.27**	**158.0**	**34.69**
Illinois	835.5	10,979	3.07	10.27	158.0	34.69
Perry	598.8	10,924	3.15	10.76	170.2	37.19
Randolph	236.7	11,118	2.85	9.04	127.5	28.36
Monongahela Power Co — Albright	**804.0**	**12,345**	**1.65**	**12.94**	**101.6**	**25.08**
Maryland	154.0	12,596	1.68	12.76	116.3	29.30
Garrett	154.0	12,596	1.68	12.76	116.3	29.30
West Virginia	650.0	12,285	1.64	12.99	98.0	24.08
Monongalia	2.9	12,108	1.68	12.47	82.7	20.02
Preston	647.2	12,286	1.64	12.99	98.1	24.10
Monongahela Power Co — Ft Martin	**2,478.9**	**12,437**	**1.79**	**11.83**	**138.4**	**34.43**
Kentucky	420.9	12,377	.83	9.05	189.0	46.79
Martin	420.9	12,377	.83	9.05	189.0	46.79
Maryland	404.8	12,704	1.67	12.56	127.6	32.41
Garrett	404.8	12,704	1.67	12.56	127.6	32.41
Pennsylvania	8.3	13,093	1.42	6.52	127.7	33.45
Greene	8.3	13,093	1.42	6.52	127.7	33.45
West Virginia	1,645.0	12,383	2.08	12.39	128.3	31.77
Barbour	14.9	12,763	1.78	13.07	100.6	25.67
Boone	31.9	12,224	.82	13.06	116.6	28.50
Kanawha	73.7	12,219	.85	12.50	120.9	29.56
Marion	5.1	12,768	.90	10.20	128.5	32.81
Monongalia	1,360.4	12,424	2.30	12.40	126.7	31.45
Nicholas	157.9	12,092	1.03	12.12	150.9	36.48
Taylor	1.1	12,090	1.58	11.10	110.5	26.72
Monongahela Power Co — Harrison	**4,120.9**	**13,173**	**2.97**	**7.81**	**135.9**	**35.80**

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Origin State County	Plant	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
			Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Monongahela Power Co	**Harrison**	4,120.9	13,173	2.97	7.61	135.9	35.80
West Virginia		2,810.1	13,211	2.99	7.51	137.7	36.40
Harrison		519.4	12,966	3.34	8.45	129.4	33.55
Lewis		698.2	13,180	2.54	7.30	136.8	36.07
Monongalia		93.2	13,135	3.30	8.42	108.0	28.39
Upshur							
Monongahela Power Co	**Pleasants**	**2,342.7**	**12,424**	**2.89**	**11.72**	**119.0**	**29.56**
Ohio		24.0	11,089	3.46	12.60	82.6	18.32
Athens		9.4	10,940	3.81	14.30	65.2	14.27
Jackson		14.6	11,184	3.24	11.51	93.5	20.91
Pennsylvania		3.2	12,055	2.34	13.41	88.7	21.38
Westmoreland		3.2	12,055	2.34	13.41	88.7	21.38
West Virginia		2,315.5	12,438	2.89	11.71	119.4	29.69
Barbour		335.2	12,389	2.89	12.10	129.2	32.02
Fayette		44.2	12,170	2.20	13.71	86.5	21.05
Harrison		414.5	12,557	3.27	11.01	125.2	31.45
Lewis		45.6	12,150	2.88	12.79	115.7	28.12
Marion		125.0	12,112	3.21	12.24	90.7	21.96
Mason		33.4	11,585	3.06	12.30	94.9	21.99
Monongalia		876.7	12,611	3.02	11.27	122.1	30.79
Nicholas		180.8	12,015	1.28	12.18	132.4	31.81
Preston		258.2	12,380	2.89	12.64	101.3	25.09
Monongahela Power Co	**Rivesville**	**240.9**	**12,329**	**.91**	**13.03**	**110.8**	**27.31**
Pennsylvania		6.2	13,290	.89	8.10	128.7	34.21
Greene		6.2	13,290	.89	8.10	128.7	34.21
West Virginia		234.7	12,303	.91	13.16	110.2	27.13
Barbour		3.6	12,823	1.02	9.05	106.2	27.25
Fayette		3.9	12,058	.91	15.10	95.8	23.10
Kanawha		15.6	12,248	.81	12.54	113.6	27.83
Monongalia		11.9	12,038	.99	13.75	105.9	25.50
Nicholas		30.9	12,193	.84	13.29	116.6	28.44
Preston		156.8	12,332	.91	13.37	109.0	26.88
Upshur		12.0	12,473	1.01	10.76	116.3	29.02
Monongahela Power Co	**Willow Island**	**508.0**	**12,921**	**1.48**	**7.65**	**123.4**	**31.88**
Kentucky		39.2	11,961	1.37	12.35	106.5	25.48
Floyd		39.2	11,961	1.37	12.35	106.5	25.48
Maryland		2.2	12,300	1.40	9.90	136.7	33.63
Garrett		2.2	12,300	1.40	9.90	136.7	33.63
Ohio		4.9	11,687	1.71	8.93	90.9	21.24
Athens		4.9	11,687	1.71	8.93	90.9	21.24
Pennsylvania		175.3	13,050	1.42	6.35	123.0	32.10
Fayette		8.2	12,028	1.45	10.80	101.7	24.46
Greene		5.9	12,950	1.29	6.70	144.2	37.35
Washington		161.3	13,105	1.42	6.11	123.2	32.30
West Virginia		286.3	12,999	1.53	7.77	126.1	32.79
Barbour		260.2	13,074	1.55	7.50	126.6	33.10
Boone		6.5	12,375	1.22	11.50	118.3	29.28
Nicholas		8.0	12,029	.93	9.92	118.0	28.38
Preston		5.0	12,585	1.40	9.60	131.2	33.02
Taylor		6.5	12,121	1.52	10.76	119.5	28.96
Montana Power Co	**Colstrip**	**9,656.0**	**8,547**	**.68**	**9.57**	**52.3**	**8.99**
Montana		9,656.0	8,547	.68	9.57	52.6	8.99
Rosebud		9,656.0	8,547	.68	9.57	52.6	8.99
Montana Power Co	**Corette**	**650.0**	**8,624**	**.58**	**7.93**	**70.3**	**12.12**
Montana		650.0	8,624	.58	7.93	70.3	12.12
Rosebud		650.0	8,624	.58	7.93	70.3	12.12
Montana-Dakota Utilities Co	**Coyote**	**1,852.3**	**6,900**	**.96**	**8.18**	**77.3**	**10.67**
North Dakota		1,852.3	6,900	.96	8.18	77.3	10.67
Mercer		690.3	6,911	.92	8.11	76.9	10.63
Oliver		1,162.0	6,894	.98	8.22	77.6	10.69
Montana-Dakota Utilities Co	**Heskett**	**374.3**	**7,022**	**.89**	**8.98**	**107.4**	**15.08**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Montana-Dakota Utilities Co Heskett						
North Dakota	374.3	7,022	0.89	8.98	107.4	15.08
Mercer	130.8	7,034	.86	8.74	107.2	15.08
Oliver	243.5	7,015	.91	9.11	107.5	15.08
Montana-Dakota Utilities Co Lewis and Clark	**167.8**	**6,558**	**.58**	**8.10**	**120.1**	**15.75**
Montana	167.8	6,558	.58	8.10	120.1	15.75
Richland	167.8	6,558	.58	8.10	120.1	15.75
Montaup Electric Co Somerset	**464.8**	**13,331**	**1.16**	**6.86**	**171.3**	**45.67**
Virginia	464.8	13,331	1.16	6.86	171.3	45.67
Buchanan	464.8	13,331	1.16	6.86	171.3	45.67
Muscatine City of Muscatine	**486.7**	**11,325**	**2.93**	**6.24**	**195.3**	**44.23**
Illinois	486.7	11,325	2.93	6.24	195.3	44.23
Perry	100.8	11,123	2.89	9.58	181.1	40.28
Schuyler	385.9	11,378	2.94	5.36	198.9	45.26
Nebraska Public Power District Gerald Gentleman	**3,057.6**	**8,880**	**.36**	**5.02**	**97.0**	**17.22**
Wyoming	3,057.6	8,880	.36	5.02	97.0	17.22
Campbell	3,057.6	8,880	.36	5.02	97.0	17.22
Nebraska Public Power District Sheldon	**553.4**	**8,442**	**.42**	**5.36**	**99.0**	**16.72**
Wyoming	553.4	8,442	.42	5.36	99.0	16.72
Campbell	507.4	8,191	.41	5.21	91.3	14.95
Carbon	46.1	11,205	.62	7.06	161.3	36.16
Nevada Power Co Gardner	**1,443.0**	**11,826**	**.56**	**9.17**	**200.4**	**47.40**
Utah	1,443.0	11,826	.56	9.17	200.4	47.40
Carbon	1,443.0	11,826	.56	9.17	200.4	47.40
New England Power Co Brayton	**2,554.5**	**13,075**	**1.20**	**8.48**	**157.1**	**41.09**
Maryland	125.8	13,063	1.25	9.10	154.8	40.45
Garrett	125.8	13,063	1.25	9.10	154.8	40.45
Pennsylvania	7.5	12,983	1.07	8.65	159.5	41.42
Somerset	7.5	12,983	1.07	8.65	159.5	41.42
Virginia	1,127.2	13,097	1.18	7.91	158.7	41.58
Buchanan	813.2	13,087	1.18	7.81	160.1	41.90
Wise	314.0	13,123	1.17	8.15	155.3	40.75
West Virginia	1,294.0	13,058	1.22	8.92	156.0	40.74
Barbour	246.0	13,117	1.28	8.10	154.3	40.47
Grant	111.4	13,038	1.35	9.45	151.9	39.60
Mcdowell	16.0	13,014	.83	8.28	163.2	42.48
Mingo	143.2	12,980	.96	8.96	154.5	40.11
Nicholas	117.0	13,074	1.11	8.97	160.2	41.89
Preston	229.0	13,200	1.34	8.62	156.5	41.31
Randolph	298.0	12,945	1.15	9.51	156.2	40.45
Webster	133.4	13,050	1.37	9.21	158.2	41.28
New England Power Co Salem Harbor	**851.0**	**13,048**	**1.19**	**8.72**	**161.9**	**42.25**
Maryland	5.2	13,324	1.12	7.76	152.8	40.71
Garrett	5.2	13,324	1.12	7.76	152.8	40.71
Pennsylvania	14.2	13,291	1.64	8.08	156.1	41.50
Greene	6.7	13,291	1.64	8.08	154.1	40.96
Somerset	7.5	13,291	1.64	8.08	157.9	41.97
Virginia	383.8	13,063	1.15	8.22	165.3	43.20
Buchanan	219.5	13,040	1.16	7.89	168.6	43.97
Wise	164.3	13,093	1.13	8.66	161.0	42.17
West Virginia	447.8	13,024	1.22	9.19	159.2	41.46
Barbour	84.0	13,086	1.31	7.88	157.3	41.17
Grant	22.8	13,071	1.16	9.12	154.7	40.43
Mingo	16.5	12,947	1.01	10.06	156.4	40.49
Nicholas	34.1	13,093	1.15	8.98	162.2	42.48
Preston	34.2	13,160	1.50	9.16	161.4	42.47
Randolph	229.5	12,982	1.15	9.67	159.4	41.31
Webster	26.7	13,105	1.35	8.97	163.2	42.78
New York State Elec & Gas Corp Goudey	**308.5**	**12,367**	**1.83**	**12.33**	**146.7**	**36.28**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Origin State County	Plant	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
			Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
New York State Elec & Gas Corp	**Goudey**						
Pennsylvania		308.5	12,367	1.83	12.33	146.7	36.28
Centre		3.4	11,487	1.44	15.37	140.1	32.19
Clarion		70.2	12,749	1.76	10.41	141.7	36.14
Clearfield		202.1	12,239	1.87	13.09	149.6	36.61
Fayette		12.5	11,957	1.88	13.70	138.4	33.10
Indiana		3.8	12,410	1.54	12.70	140.6	34.90
Jefferson		7.6	12,282	1.76	11.98	140.9	34.61
Somerset		1.9	12,851	1.57	10.30	139.3	35.80
Washington		7.0	13,325	1.71	6.50	145.3	38.72
New York State Elec & Gas Corp	**Greenidge**	**399.8**	**12,433**	**1.93**	**12.33**	**145.1**	**36.08**
Pennsylvania		399.8	12,433	1.93	12.33	145.1	36.08
Centre		11.0	11,858	1.73	15.84	139.2	33.02
Clarion		52.7	12,678	2.05	10.72	141.5	35.89
Clearfield		286.2	12,378	1.97	12.60	146.6	36.30
Clinton		3.5	12,491	1.87	14.35	142.0	35.48
Fayette		13.4	12,437	1.90	12.73	138.8	34.52
Indiana		3.2	12,300	1.58	11.60	140.6	34.59
Lycoming		4.1	12,154	.88	16.40	154.0	37.43
Somerset		18.5	12,636	1.59	11.48	139.4	35.22
Washington		7.2	13,392	1.61	6.20	143.9	38.54
New York State Elec & Gas Corp	**Hickling**	**278.4**	**11,375**	**1.22**	**20.04**	**141.9**	**32.28**
Pennsylvania		278.4	11,375	1.22	20.04	141.9	32.28
Centre		10.6	10,675	1.03	20.22	133.3	28.46
Clearfield		34.2	11,762	1.59	13.56	137.8	32.42
Lycoming		80.2	11,468	.86	20.15	142.6	32.71
Somerset		3.7	11,274	1.14	15.91	139.8	31.52
Tioga		149.7	11,288	1.34	21.54	143.1	32.31
New York State Elec & Gas Corp	**Jennison**	**208.0**	**11,170**	**1.08**	**21.59**	**165.4**	**36.94**
Pennsylvania		208.0	11,170	1.08	21.59	165.4	36.94
Clinton		.4	11,224	.66	22.30	167.0	37.49
Lycoming		115.1	11,560	.90	19.24	167.9	38.81
Tioga		91.8	10,672	1.32	24.62	162.6	34.72
Unknown		.7	12,332	1.26	10.60	92.0	22.69
New York State Elec & Gas Corp	**Milliken**	**730.7**	**12,153**	**1.91**	**13.37**	**151.5**	**36.83**
Maryland		7.5	12,772	1.73	10.90	143.9	36.76
Garrett		7.5	12,772	1.73	10.90	143.9	36.76
Pennsylvania		723.2	12,147	1.91	13.40	151.6	36.83
Armstrong		7.7	11,544	2.35	13.50	142.2	32.83
Cambria		7.4	12,142	2.05	14.80	152.1	36.94
Centre		5.9	12,402	1.54	12.72	147.2	36.50
Clarion		30.0	12,455	2.11	8.86	148.0	36.87
Clearfield		518.5	12,144	1.88	13.66	153.3	37.24
Fayette		7.5	12,023	2.30	13.65	147.5	35.47
Indiana		44.7	12,098	2.23	14.13	147.4	35.66
Jefferson		31.8	11,946	1.95	13.33	147.1	35.16
Somerset		41.0	12,398	1.70	12.73	146.6	36.34
Westmoreland		28.7	11,965	1.73	13.00	147.1	35.20
New York State Elec & Gas Corp	**Somerset**	**1,510.8**	**13,039**	**2.50**	**8.51**	**153.9**	**40.13**
Pennsylvania		122.1	13,081	2.06	6.90	147.4	38.55
Clarion		44.8	12,830	2.61	8.60	135.7	34.81
Greene		77.3	13,227	1.74	5.91	153.9	40.72
West Virginia		1,388.7	13,035	2.54	8.65	154.4	40.26
Marion		79.2	13,364	2.46	7.24	153.4	41.00
Monongalia		1,309.5	13,015	2.54	8.74	154.5	40.22
Niagara-Mohawk Power Corp	**Dunkirk**	**1,333.1**	**12,866**	**2.04**	**8.88**	**140.6**	**36.17**
Pennsylvania		1,076.0	12,735	2.00	9.35	138.7	35.33
Armstrong		94.0	12,382	1.98	9.03	135.6	34.93
Butler		170.0	12,555	2.00	9.04	137.0	34.40
Clarion		401.0	12,807	2.09	7.89	133.8	34.28
Clearfield		7.0	12,522	1.17	11.60	139.4	34.91
Jefferson		404.0	12,708	1.94	10.97	145.1	36.88

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Niagara-Mohawk Power Corp Dunkirk						
West Virginia	257.1	13,414	2.20	6.94	147.8	39.65
Monongalia	257.1	13,414	2.20	6.94	147.8	39.65
Niagara-Mohawk Power Corp Huntley	**1,667.0**	**13,150**	**1.64**	**7.19**	**152.8**	**40.20**
Ohio	136.0	12,791	1.60	8.70	150.5	38.51
Columbiana	136.0	12,791	1.60	8.70	150.5	38.51
Pennsylvania	1,392.0	13,167	1.63	7.03	153.1	40.33
Armstrong	64.0	12,852	1.61	9.08	147.9	38.01
Butler	431.0	13,111	1.58	6.38	149.7	39.25
Clearfield	14.0	12,333	1.42	12.45	144.2	35.57
Fayette	37.0	12,665	1.70	11.11	150.5	38.12
Greene	780.0	13,278	1.68	6.84	155.8	41.38
Jefferson	29.0	12,684	1.59	11.16	147.9	37.52
Washington	37.0	13,242	1.30	5.58	154.3	40.87
West Virginia	139.0	13,323	1.77	7.37	152.1	40.53
Monongalia	111.0	13,399	1.76	6.96	152.9	40.98
Preston	14.0	12,531	1.54	11.40	149.8	37.54
Upshur	14.0	13,507	2.05	6.60	147.9	39.95
Northern Indiana Pub Serv Co Bailly	**1,072.2**	**11,258**	**2.91**	**9.22**	**152.3**	**34.30**
Illinois	847.7	11,205	2.95	9.69	157.5	35.29
Franklin	84.2	11,772	2.20	7.50	131.6	30.99
Perry	534.0	10,948	3.15	10.26	178.5	39.08
Saline	62.7	11,483	2.63	12.80	130.7	30.02
White	166.8	11,636	2.78	7.79	117.2	27.27
Indiana	176.1	11,545	3.36	8.10	122.6	28.30
Greene	17.9	11,066	2.62	9.60	122.3	27.07
Pike	158.2	11,599	3.44	7.93	122.6	28.44
Wyoming	48.4	11,162	.55	5.10	174.1	38.87
Carbon	48.4	11,162	.55	5.10	174.1	38.87
Northern Indiana Pub Serv Co Michigan City	**1,028.1**	**11,116**	**2.64**	**8.92**	**179.4**	**39.88**
Illinois	907.1	11,113	2.88	9.33	181.2	40.27
Franklin	45.3	11,738	1.94	7.48	127.5	29.93
Perry	770.7	11,032	2.96	9.36	190.8	42.09
Saline	53.9	11,386	2.63	14.60	141.2	32.15
White	37.2	11,630	2.78	7.87	115.4	26.85
Indiana	15.6	10,951	2.56	9.35	122.6	26.84
Pike	6.8	11,153	3.38	8.90	118.1	26.34
Sullivan	8.8	10,796	1.92	9.71	126.1	27.23
Wyoming	105.4	11,170	.55	5.33	172.1	38.45
Carbon	105.4	11,170	.55	5.33	172.1	38.45
Northern Indiana Pub Serv Co Mitchell	**1,362.1**	**10,082**	**.47**	**5.58**	**140.0**	**28.23**
Alabama	4.8	13,000	.60	9.00	157.7	41.00
Jefferson	4.8	13,000	.60	9.00	157.7	41.00
Kentucky	105.4	13,036	.62	6.06	170.8	44.52
Harlan	105.4	13,036	.62	6.06	170.8	44.52
Virginia	21.5	13,959	.77	4.80	168.2	46.96
Tazewell	21.5	13,959	.77	4.80	168.2	46.96
West Virginia	310.4	13,058	.74	7.89	164.9	43.08
Boone	96.0	13,356	.78	7.71	167.5	44.74
Logan	214.4	12,925	.72	7.97	163.8	42.34
Wyoming	920.0	8,633	.35	4.75	120.8	20.86
Campbell	891.1	8,55[illegible]	.34	4.73	118.3	20.24
Carbon	28.9	11,156	.55	5.29	179.1	39.97
Northern Indiana Pub Serv Co Rollin Schahfer	**2,354.1**	**11,277**	**2.00**	**8.34**	**183.7**	**41.43**
Colorado	294.8	11,519	.39	6.35	298.2	68.71
Delta	294.8	11,519	.39	6.35	298.2	68.71
Illinois	1,270.5	10,866	3.24	10.71	167.2	36.40
Perry	1,270.5	10,866	3.24	10.71	167.2	36.40
Virginia	153.1	13,787	.73	6.91	162.2	44.71
Buchanan	153.1	13,787	.73	6.91	162.2	44.71
Wyoming	635.7	11,339	.56	4.85	167.6	38.02
Carbon	635.7	11,339	.56	4.85	167.6	38.02
Northern States Power Co Black Dog	**551.7**	**8,804**	**.30**	**5.35**	**128.4**	**22.61**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Origin State County	Plant	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
			Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Northern States Power Co	**Black Dog**						
Montana		22.5	8,559	0.82	10.54	154.5	26.45
Big Horn		22.5	8,559	.82	10.54	154.5	26.45
Wyoming		529.2	8,815	.28	5.13	127.3	22.45
Campbell		302.0	8,789	.26	4.76	129.7	22.79
Converse		227.2	8,849	.31	5.62	124.3	22.00
Northern States Power Co	**High Bridge**	**641.0**	**8,852**	**.31**	**5.33**	**109.9**	**19.45**
Illinois		5.8	11,636	2.14	7.50	135.9	31.63
Franklin		5.8	11,636	2.14	7.50	135.9	31.63
Montana		4.5	8,743	.72	8.10	83.0	14.51
Rosebud		4.5	8,743	.72	8.10	83.0	14.51
Wyoming		630.7	8,827	.29	5.29	109.7	19.37
Campbell		216.2	8,781	.26	4.69	117.5	20.64
Converse		414.5	8,851	.31	5.60	105.7	18.71
Northern States Power Co	**King**	**1,307.1**	**8,822**	**.32**	**5.52**	**122.6**	**21.64**
Illinois		10.1	11,941	1.88	7.30	134.4	32.10
Franklin		10.1	11,941	1.88	7.30	134.4	32.10
Montana		100.0	8,583	.70	9.32	111.1	19.07
Big Horn		89.8	8,577	.69	9.30	113.4	19.45
Rosebud		10.2	8,633	.83	9.50	90.7	15.66
Wyoming		1,197.0	8,816	.28	5.19	123.4	21.77
Campbell		667.1	8,799	.25	4.76	125.2	22.04
Converse		529.9	8,838	.31	5.72	121.2	21.43
Northern States Power Co	**Riverside**	**1,045.8**	**8,825**	**.28**	**5.15**	**102.4**	**18.08**
Montana		28.4	8,644	.52	9.29	104.7	18.11
Big Horn		22.8	8,620	.47	9.58	110.1	18.98
Rosebud		5.6	8,743	.72	8.10	83.3	14.57
Wyoming		1,017.4	8,830	.27	5.04	102.4	18.08
Campbell		585.2	8,810	.24	4.71	109.7	19.34
Converse		432.2	8,856	.31	5.48	92.4	16.37
Northern States Power Co	**Sherburne County**	**7,807.7**	**8,709**	**.61**	**7.91**	**113.4**	**19.76**
Montana		6,043.6	8,683	.71	8.83	118.5	20.58
Big Horn		2,549.8	8,668	.64	9.00	124.6	21.60
Rosebud		3,493.8	8,694	.75	8.71	114.1	19.84
Wyoming		1,764.1	8,799	.27	4.74	96.2	16.94
Campbell		1,763.1	8,799	.27	4.74	96.2	16.94
Converse		1.0	8,856	.29	5.42	81.7	14.48
Ohio Edison Co	**Burger**	**1,042.2**	**11,894**	**2.92**	**11.54**	**116.0**	**27.61**
Ohio		1,042.2	11,894	2.92	11.54	116.0	27.61
Athens		53.4	11,664	2.80	10.60	89.4	20.85
Belmont		254.8	11,915	3.29	11.41	99.3	23.67
Hocking		132.2	11,661	2.90	11.68	103.6	24.16
Jackson		14.8	11,468	3.39	10.43	92.9	21.30
Jefferson		500.1	12,054	2.64	11.88	134.2	32.35
Tuscarawas		14.0	11,246	4.33	12.29	106.0	23.84
Vinton		72.9	11,523	3.32	10.24	95.5	22.02
Ohio Edison Co	**Edgewater**	**241.3**	**12,053**	**2.01**	**10.37**	**133.9**	**32.28**
Ohio		241.3	12,053	2.01	10.37	133.9	32.28
Carroll		1.0	10,843	1.24	13.50	137.0	29.71
Columbiana		19.3	12,119	2.79	9.33	131.0	31.74
Guernsey		49.7	11,879	2.02	10.79	136.8	32.50
Jefferson		41.0	12,029	1.70	11.44	139.1	33.46
Mahoning		65.3	12,569	1.99	8.86	132.4	33.27
Tuscarawas		65.0	11,680	1.99	11.17	130.9	30.58
Ohio Edison Co	**Gorge Steam**	**118.0**	**11,941**	**2.12**	**10.23**	**121.8**	**29.08**
Ohio		118.0	11,941	2.12	10.23	121.8	29.08
Guernsey		28.9	11,960	2.08	10.70	118.1	28.25
Jefferson		31.3	11,942	1.92	11.18	128.7	30.75
Mahoning		8.7	13,036	2.20	6.26	122.9	32.04
Perry		20.4	11,905	2.34	9.18	129.1	30.75
Tuscarawas		28.7	11,615	2.18	10.66	111.9	26.00
Ohio Edison Co	**Niles**	**562.8**	**11,782**	**3.21**	**11.66**	**106.7**	**25.14**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Origin State County	Plant	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
			Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Ohio Edison Co	**Niles**						
Ohio		323.2	11,848	3.36	10.70	106.3	25.20
Carroll		34.0	11,814	4.30	11.07	104.7	24.75
Columbiana		84.2	12,107	3.03	9.60	107.0	25.90
Guernsey		.7	11,499	2.65	10.90	118.5	27.25
Jefferson		68.6	11,835	3.27	11.19	107.4	25.42
Mahoning		43.8	11,929	3.03	12.55	103.3	24.64
Stark		73.3	11,605	3.54	10.33	106.1	24.63
Tuscarawas		18.6	11,569	3.68	10.30	110.2	25.51
Pennsylvania		239.6	11,693	3.01	12.96	107.1	25.05
Beaver		47.9	11,892	2.82	10.89	110.0	26.16
Butler		84.0	11,792	3.32	12.11	106.5	25.12
Lawrence		107.7	11,528	2.86	14.56	106.3	24.50
Ohio Edison Co	**Sammis**	**5,703.6**	**12,252**	**1.86**	**11.26**	**125.0**	**30.62**
Kentucky		331.0	11,879	.87	11.62	117.9	28.00
Carter		85.6	11,734	.89	11.04	119.6	28.08
Johnson		88.7	12,088	.77	11.56	117.3	28.36
Magoffin		156.7	11,839	.92	11.97	117.3	27.76
Ohio		1,980.1	12,015	2.74	11.51	113.7	27.33
Belmont		336.9	12,087	3.02	10.14	101.9	24.63
Carroll		37.9	11,833	1.20	10.69	122.8	29.06
Columbiana		502.6	12,000	2.92	12.33	105.0	25.20
Harrison		114.3	11,893	2.63	11.16	108.5	25.80
Jefferson		862.8	12,083	2.49	11.70	125.2	30.26
Stark		12.6	11,547	3.44	11.73	107.2	24.75
Tuscarawas		113.0	11,583	3.55	11.05	102.0	23.63
Pennsylvania		1,999.4	12,585	1.86	10.71	137.9	34.70
Fayette		1,999.4	12,585	1.86	10.71	137.9	34.70
West Virginia		1,473.1	12,202	.90	11.60	123.3	30.10
Clay		15.6	11,973	.98	10.49	111.7	26.75
Kanawha		834.5	12,341	.80	11.10	131.4	32.44
Logan		272.7	11,972	.90	12.30	114.4	27.40
Marion		30.8	12,223	2.93	11.48	95.7	23.40
Mingo		188.8	11,900	.91	12.84	111.0	26.42
Monongalia		6.1	12,162	2.70	12.94	96.5	23.47
Nicholas		124.6	12,255	.94	11.63	115.4	28.28
Ohio Edison Co	**Toronto**	**368.4**	**11,745**	**3.59**	**12.44**	**102.5**	**24.08**
Ohio		362.4	11,735	3.61	12.43	102.6	24.09
Athens		3.0	11,964	2.38	8.95	87.5	20.95
Belmont		26.5	11,605	2.92	13.79	94.2	21.85
Carroll		60.0	11,413	4.64	13.31	93.6	21.37
Columbiana		53.8	11,895	3.21	12.20	106.7	25.39
Harrison		7.3	11,882	3.47	13.16	93.0	22.10
Jackson		14.7	12,116	3.73	11.85	93.7	22.70
Jefferson		147.9	11,857	3.46	12.45	106.7	25.31
Mahoning		1.0	12,528	2.82	10.00	103.8	26.01
Stark		36.0	11,485	3.78	11.10	107.1	24.59
Tuscarawas		10.5	11,490	3.41	11.30	104.0	23.90
Vinton		1.7	11,486	3.50	9.60	96.2	22.10
West Virginia		6.0	12,349	2.60	12.80	95.2	23.51
Monongalia		6.0	12,349	2.60	12.80	95.2	23.51
Ohio Power Co	**Gavin**	**5,300.8**	**11,236**	**3.36**	**12.32**	**190.0**	**42.71**
Ohio		5,300.8	11,236	3.36	12.32	190.0	42.71
Belmont		170.0	11,563	2.91	13.52	160.2	37.04
Meigs		4,984.4	11,216	3.41	12.34	192.0	43.08
Perry		146.4	11,549	2.26	10.28	158.6	36.63
Ohio Power Co	**Kammer**	**1,710.9**	**12,044**	**3.96**	**12.92**	**123.7**	**29.79**
Ohio		150.4	12,271	3.96	10.72	85.9	21.08
Belmont		150.4	12,271	3.96	10.72	85.9	21.08
West Virginia		1,560.5	12,022	3.96	13.14	127.4	30.63
Brooke		10.0	11,801	3.84	13.14	102.2	24.12
Marshall		1,550.5	12,023	3.96	13.14	127.6	30.67
Ohio Power Co	**Mitchell**	**2,699.0**	**11,916**	**1.34**	**16.13**	**169.3**	**40.34**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company / Plant Origin State County	Quantity (thousand short tons)	Average Quality: Btu (per pound)	Average Quality: Sulfur (percent by weight)	Average Quality: Ash (percent by weight)	Average Delivered Cost: (cents per million Btu)	Average Delivered Cost: (dollars per short ton)
Ohio Power Co **Mitchell**						
West Virginia	2,699.0	11,916	1.34	16.13	169.3	40.34
Marion	2,699.0	11,916	1.34	16.13	169.3	40.34
Ohio Power Co **Muskingum**	**3,370.2**	**11,467**	**4.54**	**12.04**	**165.9**	**38.04**
Ohio	3,370.2	11,467	4.54	12.04	165.9	38.04
Muskingum	369.0	11,471	4.62	12.10	166.4	38.18
Noble	2,881.5	11,470	4.62	12.09	166.6	38.22
Perry	119.7	11,370	2.36	10.56	145.5	33.08
Ohio Valley Electric Corp **Kyger Creek**	**2,831.0**	**11,964**	**3.75**	**10.27**	**137.5**	**32.90**
Ohio	547.0	11,113	3.40	11.80	96.7	21.49
Hocking	367.0	11,028	3.45	12.50	97.2	21.44
Jackson	180.0	11,288	3.29	10.36	95.6	21.58
West Virginia	2,284.0	12,167	3.83	9.91	146.4	35.63
Marshall	2,284.0	12,167	3.83	9.91	146.4	35.63
Oklahoma Gas & Electric Co **Muskogee**	**3,629.7**	**9,205**	**.43**	**5.09**	**150.0**	**27.61**
Oklahoma	250.2	13,204	1.41	7.59	138.0	36.45
Haskell	137.1	13,250	1.80	8.34	134.5	35.65
Le Flore	28.3	13,153	1.42	10.69	133.4	35.08
Mcintosh	46.8	13,161	.78	6.21	145.1	38.20
Muskogee	38.0	13,131	.78	4.26	145.4	38.18
Wyoming	3,379.5	8,909	.36	4.91	151.3	26.96
Campbell	3,379.5	8,909	.36	4.91	151.3	26.96
Oklahoma Gas & Electric Co **Sooner**	**2,538.8**	**9,206**	**.42**	**5.11**	**165.5**	**30.48**
Oklahoma	207.2	12,774	1.12	7.54	168.2	42.98
Craig	10.0	11,168	.39	12.87	174.2	38.92
Haskell	35.9	13,511	1.17	7.27	170.3	46.01
Le Flore	7.3	12,955	1.27	10.49	156.9	40.64
Muskogee	25.2	12,790	.70	4.33	170.3	43.57
Rogers	128.8	12,681	1.23	7.67	167.5	42.47
Wyoming	2,331.6	8,889	.36	4.89	165.2	29.36
Campbell	2,331.6	8,889	.36	4.89	165.2	29.36
Omaha Public Power District **Nebraska City**	**8,322**	**8,322**	**.33**	**4.67**	**65.2**	**10.86**
Wyoming	1,852.2	6,322	.33	4.67	65.2	10.86
Campbell	1,852.2	8,322	.33	4.67	65.2	10.86
Omaha Public Power District **North Omaha**	**1,449.2**	**8,340**	**.38**	**4.98**	**65.6**	**10.94**
Wyoming	1,449.2	8,340	.38	4.98	65.6	10.94
Campbell	1,449.2	8,340	.38	4.98	65.6	10.94
Orange and Rockland Utils Inc **Lovett**	**415.7**	**13,037**	**.55**	**7.36**	**209.8**	**54.70**
Kentucky	213.3	13,140	.52	6.93	209.1	54.96
Pike	213.3	13,140	.52	6.93	209.1	54.96
West Virginia	202.4	12,928	.58	7.81	210.5	54.43
Mingo	202.4	12,928	.58	7.81	210.5	54.43
Orlando Utilities Comm **Stanton Energy**	**953.3**	**13,235**	**.95**	**6.38**	**186.6**	**49.40**
Kentucky	953.3	13,235	.95	6.38	186.6	49.40
Letcher	953.3	13,235	.95	6.38	186.6	49.40
Otter Tail Power Co **Big Stone**	**2,159.5**	**6,338**	**.90**	**8.02**	**121.4**	**15.39**
Montana	144.0	8,731	.63	8.57	111.5	19.47
Big Horn	144.0	8,731	.63	8.57	111.5	19.47
North Dakota	2,015.0	6,167	.92	7.98	122.4	15.09
Bowman	2,015.0	6,167	.92	7.98	122.4	15.09
Wyoming	.5	8,625	.29	4.72	203.4	35.08
Campbell	.5	8,625	.29	4.72	203.4	35.08
Otter Tail Power Co **Hoot Lake**	**100.0**	**8,491**	**.53**	**5.16**	**138.6**	**23.54**
Montana	63.0	9,383	.36	3.80	122.4	22.98
Big Horn	63.0	9,383	.36	3.80	122.4	22.98
North Dakota	37.0	6,974	.82	7.49	175.7	24.51
Oliver	37.0	6,974	.82	7.49	175.7	24.51
Owensboro City of **Smith**	**537.7**	**10,768**	**2.85**	**11.71**	**129.3**	**27.84**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Owensboro City of **Smith**						
Kentucky	537.7	10,768	2.85	11.71	129.3	27.84
Daviess	535.1	10,769	2.85	11.70	129.3	27.84
Henderson	2.6	10,552	2.81	12.70	128.2	27.06
Pacific Power & Light Co **Centralia**	**5,621.0**	**8,206**	**.66**	**13.86**	**155.2**	**25.48**
Montana	86.0	9,698	.40	3.80	130.9	25.40
Big Horn	86.0	9,698	.40	3.80	130.9	25.40
Washington	5,174.0	8,144	.69	14.66	157.9	25.72
King	70.0	11,354	.87	17.19	143.9	32.67
Lewis	3,049.0	8,100	.69	14.57	157.4	25.49
Thurston	2,055.0	8,100	.67	14.70	159.4	25.82
Wyoming	361.0	8,745	.29	4.78	125.6	21.98
Campbell	361.0	8,745	.29	4.78	125.6	21.98
Pacific Power & Light Co **Jim Bridger**	**7,305.0**	**9,448**	**.61**	**10.04**	**103.3**	**19.53**
Wyoming	7,305.0	9,448	.61	10.04	103.3	19.53
Campbell	8.0	10,742	.83	4.90	85.7	18.41
Carbon	53.0	10,555	.48	6.93	96.3	20.32
Sweetwater	7,244.0	9,439	.61	10.07	103.4	19.52
Pacific Power & Light Co **Johnston**	**4,066.0**	**8,001**	**.42**	**8.49**	**59.1**	**9.45**
Wyoming	4,066.0	8,001	.42	8.49	59.1	9.45
Campbell	1,408.0	8,573	.31	4.85	48.6	8.34
Converse	2,658.0	7,699	.48	10.41	65.2	10.04
Pacific Power & Light Co **Wyodak**	**1,903.0**	**7,950**	**.63**	**8.04**	**53.8**	**8.56**
Wyoming	1,903.0	7,950	.63	8.04	53.8	8.56
Campbell	1,903.0	7,950	.63	8.04	53.8	8.56
Painesville City of **Painesville**	**84.4**	**12,772**	**2.70**	**7.68**	**128.4**	**32.79**
Ohio	28.8	12,231	2.69	8.71	126.4	30.92
Mahoning	28.8	12,231	2.69	8.71	126.4	30.92
Pennsylvania	55.7	13,052	2.71	7.15	129.3	33.75
Clarion	55.7	13,052	2.71	7.15	129.3	33.75
Pennsylvania Electric Co **Conemaugh**	**4,063.0**	**12,386**	**2.20**	**14.39**	**151.7**	**37.59**
Pennsylvania	4,063.0	12,386	2.20	14.39	151.7	37.59
Armstrong	368.0	12,457	2.08	13.29	111.1	27.68
Cambria	146.0	12,516	2.14	12.48	112.7	28.21
Clearfield	14.0	12,519	2.20	13.60	108.6	27.20
Fayette	111.0	12,367	2.22	13.23	110.6	27.35
Indiana	2,466.0	12,362	2.22	14.90	178.3	44.09
Somerset	476.0	12,416	2.20	14.01	110.8	27.52
Westmoreland	431.0	12,375	2.25	13.81	110.6	27.37
Unknown	51.0	12,469	2.22	14.66	108.5	27.07
Pennsylvania Electric Co **Front St**	**245.0**	**12,412**	**1.85**	**9.57**	**131.8**	**32.71**
Pennsylvania	245.0	12,412	1.85	9.57	131.8	32.71
Armstrong	37.0	12,403	1.70	10.40	134.4	33.35
Butler	63.0	12,384	1.92	9.41	134.1	33.22
Clarion	35.0	12,462	2.03	9.48	135.7	33.83
Clearfield	2.0	12,785	1.71	9.75	143.6	36.71
Jefferson	11.0	11,896	1.79	10.98	139.5	33.19
Lawrence	97.0	12,467	1.80	9.22	126.7	31.59
Pennsylvania Electric Co **Homer City**	**5,033.0**	**11,693**	**1.70**	**18.66**	**141.6**	**33.12**
Pennsylvania	5,033.0	11,693	1.70	18.66	141.6	33.12
Armstrong	11.0	11,393	1.87	20.54	115.0	26.21
Butler	8.0	13,010	1.23	9.95	133.6	34.76
Cambria	570.0	12,023	1.03	16.08	148.8	35.78
Clearfield	31.0	12,618	.63	12.10	146.8	37.06
Fayette	53.0	12,523	.69	10.33	157.2	39.38
Indiana	3,467.0	11,442	1.98	20.72	139.4	31.91
Jefferson	90.0	12,344	.92	10.67	148.6	36.70
Somerset	798.0	12,371	1.17	13.39	144.0	35.62
Westmoreland	5.0	12,083	1.57	12.84	107.1	25.88
Pennsylvania Electric Co **Keystone**	**4,447.0**	**12,306**	**1.53**	**14.49**	**130.7**	**32.16**

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Pennsylvania Electric Co Keystone						
Pennsylvania	4,447.0	12,306	1.53	14.49	130.7	32.16
Armstrong	2,836.0	12,319	1.55	14.35	129.1	31.81
Indiana	1,601.0	12,284	1.49	14.75	133.6	32.81
Jefferson	10.0	12,305	1.84	11.05	106.3	26.15
Pennsylvania Electric Co Seward	**502.0**	**11,968**	**1.53**	**13.70**	**104.4**	**25.00**
Pennsylvania	502.0	11,968	1.53	13.70	104.4	25.00
Armstrong	3.0	12,050	1.46	14.20	158.3	38.15
Cambria	102.0	11,890	1.55	13.51	103.3	24.57
Clearfield	6.0	11,816	1.43	13.40	104.9	24.79
Indiana	163.0	11,935	1.52	13.97	103.5	24.72
Somerset	181.0	12,061	1.55	13.48	105.1	25.34
Westmoreland	27.0	11,880	1.48	14.10	104.5	24.83
Pennsylvania Electric Co Shawville	**1,460.0**	**12,239**	**2.01**	**13.41**	**115.5**	**28.28**
Pennsylvania	1,460.0	12,239	2.01	13.41	115.5	28.28
Cambria	6.0	12,113	1.54	11.70	106.1	25.70
Clearfield	1,445.0	12,240	2.02	13.42	115.6	28.31
Clinton	9.0	12,197	2.16	12.53	101.3	24.72
Pennsylvania Electric Co Warren	**229.0**	**12,239**	**1.90**	**11.16**	**119.7**	**29.31**
Pennsylvania	229.0	12,239	1.90	11.16	119.7	29.31
Armstrong	6.0	12,049	1.75	12.03	128.9	31.05
Butler	3.0	12,019	2.13	10.70	126.9	30.50
Clarion	79.0	12,503	1.99	9.38	120.3	30.08
Clearfield	8.0	12,645	1.87	10.65	124.7	31.53
Elk	7.0	12,045	1.92	10.70	130.6	31.46
Jefferson	124.0	12,077	1.84	12.27	117.8	28.45
Westmoreland	2.0	11,731	2.10	14.50	122.8	28.81
Pennsylvania Power & Light Co Martins Creek	**560.0**	**12,622**	**2.04**	**12.80**	**193.3**	**48.80**
Pennsylvania	560.0	12,622	2.04	12.80	193.3	48.80
Greene	7.0	13,160	1.52	7.30	155.7	40.98
Indiana	553.0	12,615	2.05	12.87	193.8	48.90
Pennsylvania Power & Light Co Montour	**3,620.0**	**12,512**	**1.78**	**13.52**	**165.3**	**41.37**
Pennsylvania	3,620.0	12,512	1.78	13.52	165.3	41.37
Cambria	1,546.0	12,408	1.76	13.81	187.5	46.54
Clearfield	1,812.0	12,591	1.76	13.40	149.4	37.63
Indiana	111.0	12,478	2.15	13.45	147.9	36.91
Jefferson	151.0	12,650	1.94	12.15	144.6	36.63
Pennsylvania Power & Light Co Brunner Island	**3,544.0**	**12,524**	**1.87**	**13.14**	**174.9**	**43.82**
Pennsylvania	3,544.0	12,524	1.87	13.14	174.9	43.82
Cambria	91.0	12,612	1.98	12.07	140.7	35.50
Centre	10.0	12,431	1.72	13.10	138.2	34.36
Clearfield	1,668.0	12,567	1.98	13.32	172.1	43.25
Indiana	1,729.0	12,474	1.76	13.05	180.5	45.04
Jefferson	39.0	12,654	1.81	11.87	143.7	36.37
Somerset	7.0	12,624	1.86	12.80	158.0	39.89
Pennsylvania Power & Light Co Holtwood	**228.0**	**8,997**	**.59**	**29.43**	**114.7**	**20.64**
Pennsylvania	228.0	8,997	.59	29.43	114.7	20.64
Carbon	21.0	7,895	.49	30.35	113.5	17.92
Dauphin	4.0	9,207	.73	25.60	110.2	20.29
Northumberland	21.0	11,762	1.37	14.22	151.7	35.68
Schuylkill	148.0	8,397	.52	34.55	98.7	16.57
Unknown	34.0	10,557	.48	16.46	145.8	30.78
Pennsylvania Power & Light Co Sunbury	**1,055.0**	**10,765**	**1.28**	**22.59**	**119.9**	**25.82**
Pennsylvania	1,055.0	10,765	1.28	22.59	119.9	25.82
Bedford	40.0	13,072	1.90	12.10	128.7	33.66
Carbon	9.0	7,765	.46	31.24	95.9	14.90
Centre	53.0	12,632	1.91	12.34	129.0	32.60
Clearfield	436.0	12,768	1.94	11.62	146.0	37.29
Fulton	11.0	12,871	2.05	12.52	128.3	33.01
Lackawanna	16.0	7,504	.63	34.31	77.8	11.68
Luzerne	3.0	10,935	.56	12.50	150.8	32.98
Northumberland	6.0	8,393	.53	28.30	80.2	13.46

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Pennsylvania Power & Light Co Sunbury						
Pennsylvania						
Schuylkill	449.0	8,548	0.56	34.89	82.1	14.03
Somerset	5.0	12,596	1.73	12.94	127.1	32.03
Sullivan	14.0	8,082	.57	40.41	67.1	10.84
Tioga	13.0	12,996	1.49	11.97	128.2	33.33
Pennsylvania Power Co New Castle	**602.4**	**12,372**	**1.44**	**10.20**	**124.7**	**30.86**
Ohio	55.7	12,451	1.61	9.05	115.5	28.76
Carroll	.9	11,848	1.75	11.15	116.7	27.65
Columbiana	48.5	12,452	1.60	8.90	115.9	28.87
Jefferson	6.3	12,531	1.61	9.88	112.0	28.08
Pennsylvania	546.6	12,364	1.42	10.32	125.7	31.07
Armstrong	206.7	12,384	1.34	11.26	142.1	35.19
Beaver	2.1	12,515	1.34	9.50	116.0	29.03
Butler	123.3	12,283	1.48	10.63	115.5	28.37
Clarion	15.3	12,606	1.58	10.08	118.6	29.90
Lawrence	113.0	12,313	1.40	9.57	115.6	28.47
Mercer	77.0	12,475	1.52	8.30	115.1	28.72
Washington	9.3	12,270	1.42	11.61	118.4	29.06
Pennsylvania Power Co Bruce Mansfield	**5,677.4**	**12,048**	**3.96**	**12.11**	**147.1**	**35.45**
Ohio	2,369.4	12,056	3.96	12.09	146.9	35.42
Mahoning	129.1	12,055	3.95	12.09	145.5	35.08
Monroe	2,228.3	12,056	3.96	12.08	147.0	35.45
Tuscarawas	12.0	12,049	3.94	12.20	137.9	33.23
Pennsylvania	586.1	12,039	3.95	12.18	146.7	35.32
Butler	502.7	12,034	3.95	12.20	147.4	35.47
Washington	83.4	12,066	3.95	12.07	142.7	34.43
West Virginia	2,721.9	12,043	3.96	12.12	147.4	35.50
Marshall	2,615.4	12,045	3.96	12.11	147.4	35.50
Monongalia	106.5	11,984	3.90	12.40	148.1	35.51
Philadelphia Electric Co Cromby	**231.0**	**13,095**	**1.52**	**7.28**	**156.4**	**40.96**
Pennsylvania	142.0	13,037	1.66	7.12	156.6	40.84
Clarion	72.0	12,833	1.89	8.02	153.2	39.32
Washington	70.0	13,247	1.41	6.20	160.0	42.40
West Virginia	89.0	13,189	1.32	7.52	156.0	41.16
Monongalia	69.0	13,227	1.41	6.99	157.2	41.60
Randolph	20.0	13,055	.99	9.38	151.8	39.63
Philadelphia Electric Co Eddystone	**840.0**	**13,202**	**1.53**	**7.47**	**157.0**	**41.45**
Pennsylvania	265.0	13,186	1.58	6.86	157.3	41.48
Armstrong	7.0	13,373	2.01	6.70	162.9	43.57
Clarion	98.0	12,947	1.91	7.48	152.2	39.41
Washington	160.0	13,324	1.37	6.48	160.1	42.66
West Virginia	575.0	13,209	1.51	7.76	156.9	41.44
Barbour	226.0	13,275	1.83	7.29	153.9	40.87
Marion	35.0	13,390	1.80	6.58	153.8	41.20
Monongalia	21.0	13,346	1.70	6.30	157.8	42.11
Nicholas	2.0	12,956	1.00	8.70	171.1	44.34
Preston	137.0	13,195	1.40	8.12	161.9	42.72
Randolph	28.0	12,891	1.10	9.90	157.7	40.66
Upshur	14.0	13,258	1.79	6.95	152.3	40.38
Webster	112.0	13,089	.96	8.46	157.5	41.24
Plains Elec Gen&Trans Coop Inc Escalante	**858.1**	**9,500**	**.77**	**14.51**	**134.8**	**25.62**
New Mexico	858.1	9,500	.77	14.51	134.8	25.62
Mckinley	858.1	9,500	.77	14.51	134.8	25.62
Platte River Power Authority Rawhide	**1,183.0**	**8,833**	**.29**	**5.63**	**70.5**	**12.46**
Wyoming	1,183.0	8,833	.29	5.63	70.5	12.46
Converse	1,183.0	8,833	.29	5.63	70.5	12.46
Portland General Electric Co Boardman	**234.6**	**8,528**	**.33**	**4.73**	**139.0**	**23.70**
Wyoming	234.6	8,528	.33	4.73	139.0	23.70
Campbell	234.6	8,528	.33	4.73	139.0	23.70
Potomac Edison Co Smith	**219.6**	**13,195**	**.98**	**9.40**	**133.9**	**35.32**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Potomac Edison Co **Smith**						
Maryland	158.2	13,525	1.00	8.26	136.0	36.80
Allegany	27.3	12,392	.93	11.16	131.8	32.66
Garrett	130.8	13,762	1.02	7.66	136.8	37.67
Pennsylvania	55.3	12,269	.94	12.43	125.5	30.80
Centre	13.0	11,966	.85	13.05	127.0	30.40
Somerset	42.3	12,362	.97	12.24	125.1	30.92
West Virginia	6.1	13,040	.76	11.46	146.0	38.08
Preston	6.1	13,040	.76	11.46	146.0	38.08
Potomac Electric Power Co **Chalk**	**1,426.8**	**12,574**	**1.77**	**12.57**	**167.6**	**42.15**
Maryland	451.4	12,728	1.65	12.06	165.9	42.23
Allegany	7.1	11,855	2.09	15.55	168.8	40.01
Garrett	444.3	12,742	1.64	12.00	165.9	42.27
Pennsylvania	892.1	12,482	1.85	12.94	170.0	42.43
Cambria	325.1	12,413	2.03	12.77	172.3	42.77
Clearfield	351.0	12,443	1.74	12.89	173.4	43.15
Somerset	216.0	12,650	1.76	13.26	161.1	40.75
West Virginia	83.3	12,731	1.57	11.32	152.0	38.71
Grant	70.3	12,766	1.52	10.75	151.4	38.66
Mineral	13.0	12,544	1.83	14.36	155.5	39.01
Potomac Electric Power Co **Dickerson**	**1,534.0**	**12,591**	**1.53**	**10.34**	**136.6**	**34.39**
West Virginia	1,534.0	12,591	1.53	10.34	136.6	34.39
Preston	1,513.0	12,592	1.53	10.33	136.6	34.39
Randolph	21.0	12,474	1.18	11.52	138.3	34.49
Potomac Electric Power Co **Morgantown**	**2,478.5**	**12,574**	**1.75**	**12.43**	**168.5**	**42.37**
Maryland	611.0	12,735	1.66	12.04	167.6	42.70
Allegany	13.0	12,517	2.04	15.10	161.7	40.48
Garrett	598.0	12,740	1.65	11.98	167.8	42.75
Pennsylvania	1,820.6	12,513	1.79	12.61	169.2	42.35
Cambria	674.0	12,438	1.91	12.28	171.8	42.73
Clearfield	715.3	12,491	1.69	12.57	171.3	42.79
Somerset	431.3	12,667	1.75	13.18	162.0	41.03
West Virginia	46.9	12,857	1.64	10.30	150.4	38.67
Grant	46.9	12,857	1.64	10.30	150.4	38.67
Potomac Electric Power Co **Potomac River**	**869.4**	**12,840**	**.77**	**8.35**	**176.0**	**45.20**
Kentucky	60.6	12,704	.69	8.51	172.9	43.92
Martin	17.0	13,084	.54	6.20	165.2	43.23
Pike	43.6	12,556	.75	9.41	176.0	44.19
Virginia	446.5	12,912	.81	7.96	181.6	46.91
Buchanan	13.5	12,543	.70	7.88	171.9	43.12
Lee	158.0	12,712	.77	8.32	185.9	47.27
Wise	275.0	13,046	.84	7.77	179.7	46.89
West Virginia	362.3	12,774	.73	8.80	169.5	43.31
Boone	35.0	12,750	.76	9.01	171.4	43.70
Mcdowell	53.0	12,830	.68	9.05	168.4	43.20
Mingo	201.3	12,765	.73	8.76	170.1	43.43
Wyoming	73.0	12,769	.75	8.64	167.9	42.88
Public Service Co of Colorado **Comanche**	**2,360.9**	**8,572**	**.34**	**4.73**	**121.8**	**20.88**
Utah	21.3	12,533	.38	8.00	135.1	33.86
Carbon	21.3	12,533	.38	8.00	135.1	33.86
Wyoming	2,339.6	8,536	.34	4.70	121.6	20.76
Campbell	2,339.6	8,536	.34	4.70	121.6	20.76
Public Service Co of Colorado **Pawnee**	**1,950.3**	**8,414**	**.35**	**4.65**	**115.1**	**19.37**
Colorado	12.0	10,980	.51	10.35	108.5	23.83
Routt	12.0	10,980	.51	10.35	108.5	23.83
Wyoming	1,938.3	8,398	.35	4.61	115.2	19.34
Campbell	1,938.3	8,398	.35	4.61	115.2	19.34
Public Service Co of Colorado **Valmont**	**423.0**	**10,922**	**.44**	**9.46**	**110.7**	**24.17**
Colorado	423.0	10,922	.44	9.46	110.7	24.17
Gunnison	10.3	11,625	.37	6.47	111.0	25.81
Moffat	82.1	10,580	.31	7.96	125.5	26.55
Routt	330.6	10,985	.48	9.93	107.1	23.53

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Public Service Co of Colorado Cameo	**185.1**	**11,426**	**0.44**	**8.37**	**134.7**	**30.77**
Colorado	167.1	11,383	.43	8.22	139.0	31.64
Garfield	6.8	11,270	.53	12.02	63.7	14.35
Gunnison	160.3	11,387	.43	8.06	142.1	32.37
Utah	18.1	11,825	.49	9.80	96.2	22.76
Carbon	18.1	11,825	.49	9.80	96.2	22.76
Public Service Co of Colorado Cherokee	**1,277.6**	**10,727**	**.40**	**9.09**	**109.8**	**23.55**
Colorado	1,277.6	10,727	.40	9.09	109.8	23.55
Gunnison	69.2	11,405	.41	7.09	121.9	27.80
Moffat	669.8	10,481	.33	8.63	110.7	23.21
Routt	538.7	10,945	.48	9.92	107.0	23.42
Public Service Co of Colorado Araphoe	**305.3**	**10,786**	**.40**	**8.95**	**122.2**	**26.36**
Colorado	305.3	10,786	.40	8.95	122.2	26.36
Gunnison	23.9	11,478	.41	7.02	138.1	31.70
Moffat	139.1	10,487	.32	8.52	122.4	25.67
Routt	142.3	10,963	.48	9.69	119.2	26.13
Public Service Co of IN Inc Gibson Station	**6,923.9**	**10,829**	**2.42**	**10.21**	**160.2**	**34.69**
Illinois	5,770.8	10,713	2.38	10.70	163.6	35.06
Clinton	3,004.9	10,611	3.34	9.63	159.4	33.83
Wabash	2,765.9	10,823	1.34	11.86	168.2	36.40
Indiana	1,153.1	11,413	2.60	7.76	143.9	32.86
Daviess	41.2	11,175	3.69	10.47	96.5	21.57
Knox	50.9	10,880	.62	7.36	139.0	30.25
Pike	1,061.0	11,448	2.65	7.68	146.0	33.42
Public Service Co of IN Inc Gallagher	**900.2**	**11,389**	**2.41**	**8.96**	**132.0**	**30.06**
Illinois	203.4	11,674	2.61	10.37	147.0	34.31
Williamson	203.4	11,674	2.61	10.37	147.0	34.31
Indiana	635.6	11,188	2.35	8.39	127.8	28.60
Daviess	146.8	11,543	2.42	7.76	113.4	26.17
Pike	48.2	11,228	1.85	9.20	114.0	25.59
Warrick	440.6	11,065	2.38	8.50	134.4	29.74
Kentucky	61.2	12,538	2.41	10.17	124.1	31.11
Union	61.2	12,538	2.41	10.17	124.1	31.11
Public Service Co of IN Inc Cayuga	**1,778.0**	**10,840**	**2.21**	**10.71**	**147.3**	**31.93**
Indiana	1,778.0	10,840	2.21	10.71	147.3	31.93
Vermillion	1,778.0	10,840	2.21	10.71	147.3	31.93
Public Service Co of IN Inc Edwardsport	**103.6**	**10,763**	**2.43**	**11.18**	**90.9**	**19.57**
Indiana	103.6	10,763	2.43	11.18	90.9	19.57
Greene	92.7	10,761	2.45	11.14	91.9	19.78
Knox	10.9	10,778	2.23	11.56	82.8	17.84
Public Service Co of IN Inc Wabash River	**1,079.9**	**10,889**	**2.15**	**10.38**	**122.2**	**26.61**
Illinois	1.2	10,919	2.26	9.50	120.0	26.21
Douglas	1.2	10,919	2.26	9.50	120.0	26.21
Indiana	1,078.7	10,888	2.15	10.38	122.2	26.61
Sullivan	1,068.2	10,886	2.16	10.39	122.4	26.66
Vigo	10.5	11,168	1.21	9.26	96.8	21.62
Public Service Co of IN Inc Noblesville	**10.4**	**11,649**	**1.30**	**7.00**	**117.0**	**27.26**
Indiana	10.4	11,649	1.30	7.00	117.0	27.26
Clay	10.4	11,649	1.30	7.00	117.0	27.26
Public Service Co of NH Merrimack	**1,192.3**	**13,347**	**2.36**	**7.07**	**176.2**	**47.04**
Pennsylvania	147.7	13,150	1.64	6.54	173.4	45.61
Clarion	32.8	12,897	2.52	6.67	169.6	43.74
Greene	82.4	13,254	1.41	6.52	173.3	45.93
Washington	32.5	13,143	1.32	6.47	177.6	46.68
West Virginia	998.3	13,374	2.47	7.22	176.6	47.24
Marion	560.2	13,438	2.52	7.47	183.4	49.28
Monongalia	396.9	13,301	2.44	6.83	166.8	44.36
Upshur	41.2	13,203	2.20	7.45	179.2	47.31

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Origin State County	Plant	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
			Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Public Service Co of NH	**Merrimack**						
Imported		46.3	13,397	2.10	5.61	175.9	47.14
Imported Coal		46.3	13,397	2.10	5.61	175.9	47.14
Public Service Co of NH	**Schiller**	**69.3**	**13,091**	**1.20**	**7.58**	**203.8**	**53.36**
Virginia		9.7	12,993	1.10	8.30	198.7	51.63
Wise		9.7	12,993	1.10	8.30	198.7	51.63
West Virginia		54.0	13,071	1.23	7.92	210.9	55.13
Mineral		48.7	13,047	1.22	7.86	214.3	55.93
Preston		5.3	13,294	1.28	8.45	179.7	47.78
Imported		5.6	13,452	1.10	3.10	146.1	39.31
Imported Coal		5.6	13,452	1.10	3.10	146.1	39.31
Public Service Co of NM	**San Juan**	**4,889.8**	**9,540**	**.74**	**21.32**	**152.6**	**29.11**
New Mexico		4,889.8	9,540	.74	21.32	152.6	29.11
San Juan		4,889.8	9,540	.74	21.32	152.6	29.11
Public Service Co of Oklahoma	**Northeastern**	**2,704.4**	**8,714**	**.48**	**6.24**	**162.0**	**28.23**
Oklahoma		97.5	12,465	.51	8.34	166.1	41.41
Craig		29.5	11,699	.44	10.94	163.1	38.16
Le Flore		8.0	12,848	.53	11.30	160.0	41.11
Rogers		59.9	12,790	.54	6.66	168.3	43.06
Wyoming		2,607.0	8,574	.48	6.16	161.8	27.74
Campbell		2,607.0	8,574	.48	6.16	161.8	27.74
Public Service Electric&Gas Co	**Hudson**	**730.4**	**13,099**	**.83**	**8.22**	**170.6**	**44.69**
Kentucky		19.9	12,917	.74	7.42	172.1	44.47
Letcher		5.8	12,798	.80	8.20	172.0	44.03
Pike		14.1	12,966	.72	7.10	172.2	44.65
West Virginia		710.5	13,105	.83	8.24	170.5	44.70
Boone		145.7	13,134	.79	7.89	170.0	44.67
Logan		14.6	13,174	.63	7.18	167.0	44.01
Mingo		7.5	13,736	.59	6.20	162.8	44.72
Nicholas		151.9	13,090	.83	8.21	171.1	44.81
Randolph		86.6	13,171	1.15	9.23	165.1	43.49
Webster		304.2	13,056	.78	8.25	172.5	45.03
Public Service Electric&Gas Co	**Mercer**	**884.4**	**13,718**	**.83**	**5.87**	**172.2**	**47.25**
Virginia		883.0	13,719	.83	5.87	172.2	47.26
Buchanan		456.8	13,828	.80	4.93	172.9	47.83
Dickenson		3.5	12,973	1.00	10.29	161.0	41.78
Russell		257.7	13,596	.82	7.72	167.2	45.47
Tazewell		4.9	13,028	.78	8.90	167.4	43.62
Wise		160.1	13,642	.92	5.37	178.7	48.75
West Virginia		1.4	13,222	.70	9.26	162.2	42.90
Mcdowell		1.0	13,273	.62	9.70	159.1	42.23
Nicholas		.2	13,088	.99	8.00	169.8	44.45
Webster		.2	13,102	.79	8.30	170.6	44.70
Richmond City of	**Whitewater**	**221.5**	**11,441**	**2.55**	**11.59**	**161.8**	**37.02**
Indiana		193.0	11,315	2.77	11.74	167.7	37.95
Clay		1.9	11,669	.92	8.57	147.0	34.31
Daviess		184.5	11,321	2.86	11.78	169.4	38.35
Greene		6.6	11,046	.77	11.66	125.8	27.79
Kentucky		27.1	12,351	.97	10.51	124.4	30.73
Perry		27.1	12,351	.97	10.51	124.4	30.73
Ohio		1.5	11,206	2.45	11.08	138.3	31.00
Coshocton		1.5	11,206	2.45	11.08	138.3	31.00
Rochester City of	**Silver Lake**	**106.7**	**12,148**	**1.55**	**6.90**	**197.0**	**47.86**
Illinois		106.7	12,148	1.55	6.90	197.0	47.86
Hamilton		38.7	12,077	1.30	5.87	201.4	48.66
Saline		68.0	12,188	1.70	7.48	194.5	47.40
Rochester City of	**Rochester 3**	**179.6**	**13,141**	**1.96**	**7.21**	**165.3**	**43.45**
Ohio		20.4	12,610	2.03	8.87	166.0	41.87
Columbiana		20.4	12,610	2.03	8.87	166.0	41.87

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Rochester City of Rochester 3						
Pennsylvania	101.5	13,130	1.88	7.20	162.3	42.63
Armstrong	17.8	13,119	2.09	6.31	166.9	43.79
Butler	4.4	13,041	1.95	7.25	162.7	42.42
Clarion	32.2	12,934	2.08	8.19	155.0	40.09
Greene	32.4	13,339	1.70	6.17	171.4	45.73
Jefferson	7.6	12,810	1.74	10.60	157.3	40.30
Washington	7.1	13,490	1.42	6.00	146.9	39.63
West Virginia	57.7	13,349	2.08	6.65	170.3	45.46
Monongalia	57.7	13,349	2.08	6.65	170.3	45.46
Rochester City of Rochester 7	**443.9**	**13,165**	**1.94**	**7.17**	**165.8**	**43.65**
Ohio	1.8	12,530	1.99	9.90	160.2	40.15
Columbiana	1.8	12,530	1.99	9.90	160.2	40.15
Pennsylvania	226.8	13,056	1.81	7.38	162.8	42.51
Armstrong	31.5	13,066	2.20	7.04	165.0	43.12
Butler	14.3	12,666	2.09	7.96	167.0	42.32
Clarion	44.6	12,788	2.01	7.77	149.1	38.14
Greene	81.3	13,298	1.60	5.97	168.2	44.73
Jefferson	42.1	12,919	1.75	10.11	166.8	43.10
Washington	13.0	13,319	1.43	6.21	151.5	40.36
West Virginia	215.3	13,285	2.07	6.92	168.9	44.88
Marion	6.6	13,240	2.54	7.40	165.9	43.93
Monongalia	201.6	13,296	2.06	6.84	169.1	44.96
Upshur	7.1	13,000	1.85	8.70	166.2	43.21
Salt River Proj Ag I & P Dist Coronado	**1,933.8**	**10,475**	**.47**	**13.88**	**219.5**	**45.99**
New Mexico	1,933.8	10,475	.47	13.88	219.5	45.99
Colfax	475.6	11,873	.50	15.39	221.7	52.64
Mckinley	1,458.2	10,019	.46	13.38	218.7	43.82
Salt River Proj Ag I & P Dist Navajo	**7,168.8**	**11,034**	**.49**	**8.46**	**98.5**	**21.74**
Arizona	7,168.8	11,034	.49	8.46	98.5	21.74
Navajo	7,168.8	11,034	.49	8.46	98.5	21.74
San Antonio City of J T Deely	**3,179.6**	**8,445**	**.36**	**5.43**	**145.5**	**24.57**
Wyoming	3,179.6	8,445	.36	5.43	145.5	24.57
Campbell	3,179.6	8,445	.36	5.43	145.5	24.57
San Miguel Electric Coop Inc San Miguel	**3,162.8**	**5,198**	**1.69**	**26.20**	**77.8**	**8.06**
Texas	3,162.8	5,198	1.69	26.20	77.8	8.06
Atascosa	3,162.8	5,198	1.69	26.20	77.8	8.06
Savannah Electric & Power Inc Mcintosh	**461.6**	**12,905**	**.81**	**7.11**	**171.5**	**44.27**
Kentucky	461.6	12,905	.81	7.11	171.5	44.27
Breathitt	15.8	12,092	1.04	8.50	163.8	39.61
Floyd	87.2	13,024	.83	5.87	170.9	44.51
Harlan	341.6	12,905	.79	7.35	171.9	44.37
Letcher	8.3	12,748	.83	9.67	174.0	44.35
Perry	8.8	13,297	.84	5.30	174.6	46.43
Savannah Electric & Power Inc Port Wentworth	**408.7**	**13,004**	**.89**	**8.87**	**168.6**	**43.85**
Kentucky	37.7	12,965	.84	7.70	168.7	43.74
Harlan	37.7	12,965	.84	7.70	168.7	43.74
Virginia	371.0	13,008	.90	8.98	168.6	43.86
Russell	84.7	12,929	.77	10.49	167.6	43.34
Wise	286.3	13,031	.94	8.54	168.9	44.02
Seminole Electric Coop Inc Seminole	**2,283.0**	**12,007**	**2.86**	**8.34**	**196.3**	**47.15**
Illinois	1,313.0	11,685	2.78	7.77	198.1	46.29
White	1,265.0	11,681	2.76	7.65	199.6	46.62
Williamson	48.0	11,793	3.45	11.00	159.5	37.61
Kentucky	970.0	12,444	2.98	9.12	194.1	48.31
Ohio	37.0	11,773	3.79	9.20	145.8	34.32
Webster	933.0	12,471	2.94	9.12	195.9	48.86
Sierra Pacific Power Co North Valmy	**1,430.0**	**10,589**	**.42**	**8.53**	**188.7**	**39.96**

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Sierra Pacific Power Co North Valmy						
Utah	823.0	11,339	0.38	8.06	185.9	42.17
Sevier	823.0	11,339	.38	8.06	185.9	42.17
Wyoming	607.0	9,571	.48	9.16	193.1	36.96
Sweetwater	607.0	9,571	.48	9.16	193.1	36.96
Sikeston City of Sikeston	**604.1**	**11,413**	**2.53**	**11.32**	**156.2**	**35.66**
Illinois	603.9	11,413	2.53	11.32	156.3	35.67
Franklin	108.2	11,162	1.88	9.53	105.1	23.47
Randolph	75.8	11,080	2.70	9.69	106.3	23.56
Saline	419.8	11,537	2.67	12.07	177.7	41.00
Kentucky	.2	11,445	2.49	7.34	98.1	22.46
Webster	.2	11,445	2.49	7.34	98.1	22.46
South Carolina Electric&Gas Co Canadys	**587.6**	**12,968**	**1.24**	**9.28**	**166.3**	**43.13**
Kentucky	475.8	12,907	1.20	9.29	171.2	44.20
Bell	450.3	12,918	1.20	9.31	171.4	44.29
Harlan	16.7	12,750	1.02	8.90	161.2	41.10
Leslie	8.8	12,651	1.19	8.60	179.7	45.47
Virginia	112.0	13,228	1.45	9.28	145.8	38.57
Dickenson	112.0	13,228	1.45	9.28	145.8	38.57
South Carolina Electric&Gas Co Mcmeekin	**469.1**	**13,306**	**1.41**	**8.58**	**162.4**	**43.22**
Kentucky	89.4	12,848	1.03	8.78	165.2	42.45
Bell	27.5	12,816	1.02	10.21	179.0	45.89
Floyd	7.7	12,397	1.47	12.30	150.6	37.34
Letcher	20.7	13,039	.93	8.02	159.5	41.61
Pike	33.5	12,861	.99	7.26	160.7	41.33
Virginia	379.7	13,413	1.50	8.53	161.8	43.40
Dickenson	379.7	13,413	1.50	8.53	161.8	43.40
South Carolina Electric&Gas Co Urguhart	**391.9**	**12,927**	**1.21**	**8.30**	**158.9**	**41.09**
Kentucky	290.1	12,784	1.12	8.00	161.3	41.24
Floyd	22.1	12,831	1.10	8.39	151.1	38.78
Harlan	6.5	12,967	1.14	8.00	155.4	40.30
Leslie	55.6	12,756	1.07	8.60	178.7	45.60
Pike	205.9	12,781	1.13	7.79	157.9	40.35
Virginia	101.8	13,336	1.47	9.16	152.6	40.69
Dickenson	101.8	13,336	1.47	9.16	152.6	40.69
South Carolina Electric&Gas Co Wateree	**1,469.7**	**12,834**	**1.24**	**9.22**	**170.4**	**43.74**
Kentucky	977.4	12,797	1.18	9.20	179.3	45.90
Bell	488.1	12,807	1.30	9.84	179.1	45.88
Harlan	351.1	12,810	1.06	8.69	185.0	47.41
Leslie	18.5	12,926	1.07	9.01	180.6	46.69
Perry	26.8	12,708	.87	8.39	160.4	40.76
Pike	92.9	12,690	1.19	8.02	163.9	41.60
Tennessee	156.1	12,777	1.53	8.20	145.1	37.08
Claiborne	156.1	12,777	1.53	8.20	145.1	37.08
Virginia	336.2	12,971	1.25	9.73	156.3	40.55
Dickenson	26.6	13,534	1.45	8.00	163.3	44.20
Wise	309.6	12,922	1.24	9.88	155.7	40.24
South Carolina Electric&Gas Co Williams	**1,455.3**	**12,792**	**1.01**	**8.95**	**182.1**	**46.59**
Kentucky	1,455.3	12,792	1.01	8.95	182.1	46.59
Bell	248.2	12,746	.96	9.08	159.8	40.72
Harlan	906.6	12,806	1.09	9.10	195.1	49.97
Letcher	192.2	12,749	.86	8.60	161.0	41.04
Perry	108.3	12,857	.73	8.02	161.8	41.61
South Carolina Pub Serv Auth Cross	**1,343.2**	**12,471**	**1.11**	**9.72**	**192.2**	**47.94**
Kentucky	1,343.2	12,471	1.11	9.72	192.2	47.94
Bell	92.8	12,390	1.10	9.87	139.2	34.50
Harlan	981.9	12,476	1.12	9.77	195.8	48.86
Laurel	268.4	12,483	1.11	9.48	197.1	49.20
South Carolina Pub Serv Auth Grainger	**94.5**	**12,623**	**1.93**	**11.01**	**152.7**	**38.55**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
South Carolina Pub Serv Auth Grainger						
Kentucky	94.5	12,623	1.93	11.01	152.7	38.55
Floyd	23.1	12,520	1.99	12.28	152.0	38.07
Harlan	31.4	12,228	1.80	10.66	150.8	36.88
Knox	1.9	11,714	1.50	12.30	148.0	34.68
Pike	38.1	13,056	2.03	10.46	154.8	40.41
South Carolina Pub Serv Auth Jefferies	**392.9**	**12,314**	**1.57**	**10.79**	**182.0**	**44.82**
Kentucky	392.9	12,314	1.57	10.79	182.0	44.82
Bell	9.8	12,737	1.38	8.33	128.4	32.71
Floyd	39.1	12,304	1.54	12.75	147.2	36.23
Harlan	7.0	12,982	1.63	7.83	155.0	40.24
Laurel	316.3	12,266	1.59	10.83	190.7	46.78
Pike	20.8	12,653	1.45	8.52	152.1	38.49
South Carolina Pub Serv Auth Winyah	**2,380.4**	**12,457**	**1.10**	**9.70**	**175.0**	**43.61**
Kentucky	2,380.4	12,457	1.10	9.70	175.0	43.61
Bell	225.2	12,416	1.12	9.61	138.1	34.30
Floyd	61.3	12,393	1.16	11.62	149.5	37.05
Harlan	1,433.8	12,550	1.11	9.55	183.4	46.04
Laurel	357.1	12,362	1.11	10.35	190.8	47.17
Lee	6.7	12,284	.88	8.25	149.5	36.74
Letcher	49.5	12,198	1.08	11.51	143.5	35.01
Pike	246.8	12,163	1.04	8.91	149.5	36.37
South Mississippi EL Pwr Assn R D Morrow	**749.7**	**12,550**	**.92**	**8.40**	**200.5**	**50.33**
Kentucky	749.7	12,550	.92	8.40	200.5	50.33
Leslie	125.7	12,479	.92	8.35	229.1	57.19
Pike	624.0	12,564	.92	8.41	194.8	48.94
Southern California Edison Co Mohave	**5,013.3**	**11,005**	**.50**	**9.94**	**102.2**	**22.49**
Arizona	5,013.3	11,005	.50	9.94	102.2	22.49
Navajo	5,013.3	11,005	.50	9.94	102.2	22.49
Southern Illinois Power Coop Marion	**700.0**	**10,476**	**3.20**	**18.84**	**78.7**	**16.48**
Illinois	656.0	10,444	3.24	19.44	79.2	16.54
Franklin	78.0	10,622	2.01	14.75	85.9	18.24
Gallatin	369.0	11,315	3.87	18.22	86.7	19.63
Jackson	59.0	8,607	2.28	20.39	54.9	9.44
Jefferson	13.0	8,447	1.87	22.33	52.1	8.81
Saline	16.0	10,341	2.81	15.92	68.7	14.20
Williamson	121.0	8,798	2.77	25.84	60.5	10.65
Kentucky	44.0	10,945	2.55	9.89	71.1	15.57
Union	44.0	10,945	2.55	9.89	71.1	15.57
Southern Indiana Gas & Elec Co A B Brown	**843.6**	**11,527**	**3.58**	**8.19**	**162.1**	**37.37**
Indiana	843.6	11,527	3.58	8.19	162.1	37.37
Pike	843.6	11,527	3.58	8.19	162.1	37.37
Southern Indiana Gas & Elec Co Culley	**997.0**	**11,061**	**2.93**	**8.61**	**142.4**	**31.51**
Indiana	997.0	11,061	2.93	8.61	142.4	31.51
Warrick	997.0	11,061	2.93	8.61	142.4	31.51
Southern Indiana Gas & Elec Co Warrick	**400.0**	**11,107**	**3.37**	**9.44**	**116.1**	**25.79**
Indiana	400.0	11,107	3.37	9.44	116.1	25.79
Warrick	400.0	11,107	3.37	9.44	116.1	25.79
Southwestern Electric Power Co Flint Creek	**1,723.0**	**8,440**	**.34**	**4.69**	**151.8**	**25.62**
Wyoming	1,723.0	8,440	.34	4.69	151.8	25.62
Campbell	1,723.0	8,440	.34	4.69	151.8	25.62
Southwestern Electric Power Co Pirkey	**2,370.0**	**6,812**	**1.48**	**10.76**	**131.9**	**17.97**
Texas	2,370.0	6,812	1.48	10.76	131.9	17.97
Harrison	2,370.0	6,812	1.48	10.76	131.9	17.97
Southwestern Electric Power Co Welsh Station	**4,980.0**	**8,442**	**.34**	**4.67**	**203.2**	**34.30**
Wyoming	4,980.0	8,442	.34	4.67	203.2	34.30
Campbell	4,980.0	8,442	.34	4.67	203.2	34.30
Southwestern Public Service Co Harrington	**4,113.0**	**8,826**	**.35**	**5.06**	**156.3**	**27.60**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Southwestern Public Service Co Harrington						
Wyoming	4,113.0	8,826	0.35	5.06	156.3	27.60
Campbell	4,113.0	8,826	.35	5.06	156.3	27.60
Southwestern Public Service Co Tolk	**3,799.0**	**8,724**	**.34**	**5.04**	**171.8**	**29.98**
Wyoming	3,799.0	8,724	.34	5.04	171.8	29.98
Campbell	3,799.0	8,724	.34	5.04	171.8	29.98
Springfield City of (MO) James River	**442.4**	**12,059**	**3.32**	**10.11**	**124.0**	**29.91**
Illinois	169.5	11,767	2.30	7.78	118.3	27.83
Franklin	169.5	11,767	2.30	7.78	118.3	27.83
Kansas	59.9	12,061	3.64	12.67	127.8	30.82
Crawford	59.9	12,061	3.64	12.67	127.8	30.82
Oklahoma	213.0	12,291	4.05	11.25	127.4	31.31
Craig	162.8	12,341	4.01	10.94	127.3	31.42
Nowata	16.5	12,303	4.56	12.37	129.5	31.86
Rogers	33.7	12,046	4.00	12.23	126.6	30.49
Springfield City of (MO) Southwest	**372.7**	**12,225**	**3.76**	**10.67**	**124.5**	**30.43**
Illinois	28.7	11,721	2.39	7.90	118.2	27.71
Franklin	28.7	11,721	2.39	7.90	118.2	27.71
Kansas	73.3	12,016	3.45	12.45	128.3	30.83
Crawford	73.3	12,016	3.45	12.45	128.3	30.83
Oklahoma	270.7	12,335	3.98	10.48	124.1	30.62
Craig	178.5	12,314	4.06	10.31	124.4	30.63
Nowata	5.6	12,684	4.91	10.20	127.4	32.32
Rogers	86.6	12,357	3.77	10.84	123.4	30.49
Springfield City of (IL) Dallman	**825.8**	**10,361**	**2.97**	**9.21**	**162.3**	**33.63**
Illinois	825.8	10,361	2.97	9.21	162.3	33.63
Logan	825.8	10,361	2.97	9.21	162.3	33.63
Springfield City of (IL) Lakeside	**69.2**	**10,359**	**2.98**	**9.18**	**162.1**	**33.58**
Illinois	69.2	10,359	2.98	9.18	162.1	33.58
Logan	69.2	10,359	2.98	9.18	162.1	33.58
St Joseph Light and Power Co Lakeroad	**183.0**	**12,463**	**3.80**	**12.38**	**134.4**	**33.50**
Kansas	19.1	12,265	4.25	13.48	139.3	34.18
Crawford	19.1	12,265	4.25	13.48	139.3	34.18
Missouri	44.6	12,326	3.69	9.89	122.3	30.16
Vernon	44.6	12,326	3.69	9.89	122.3	30.16
Oklahoma	119.3	12,545	3.77	13.14	138.0	34.64
Haskell	119.3	12,545	3.77	13.14	138.0	34.64
Sunflower Electric Coop Inc Holcomb Unit #1	**1,000.2**	**8,345**	**.36**	**5.36**	**98.2**	**16.39**
Wyoming	1,000.2	8,345	.36	5.36	98.2	16.39
Campbell	1,000.2	8,345	.36	5.36	98.2	16.39
Tampa Electric Co Big Bend	**6,005.5**	**12,206**	**2.32**	**8.05**	**168.3**	**41.08**
Illinois	1,172.0	11,090	2.84	9.07	173.9	38.57
Gallatin	11.4	12,368	2.50	8.80	125.0	30.92
Perry	1,160.6	11,078	2.85	9.07	174.4	38.65
Indiana	91.1	11,043	2.79	9.32	118.6	26.19
Gibson	91.1	11,043	2.79	9.32	118.6	26.19
Kentucky	3,984.0	12,392	2.13	7.72	170.0	42.12
Butler	9.7	12,421	1.24	5.00	210.2	52.22
Floyd	.3	13,000	.70	8.00	102.4	26.62
Henderson	150.0	11,630	2.78	7.97	139.3	32.39
Hopkins	711.5	12,004	3.02	8.72	115.5	27.72
Muhlenberg	712.5	11,712	2.67	9.10	186.7	43.73
Ohio	25.2	11,427	2.99	9.60	200.4	45.80
Union	231.3	12,357	2.96	9.50	126.0	31.15
Webster	503.6	12,600	2.83	8.41	128.2	32.31
Whitley	1,639.9	12,880	1.12	6.18	205.8	53.02
Oklahoma	53.3	12,582	.69	7.16	202.0	50.84
Rogers	53.3	12,582	.69	7.16	202.0	50.84
West Virginia	705.1	13,132	2.52	8.14	154.5	40.57
Mingo	1.7	13,853	1.12	6.10	131.7	36.49
Monongalia	703.4	13,130	2.52	8.14	154.5	40.58

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Tampa Electric Co Gannon	**743.4**	**12,895**	**1.11**	**6.00**	**236.6**	**61.03**
Kentucky	743.4	12,895	1.11	6.00	236.6	61.03
Whitley	743.4	12,895	1.11	6.00	236.6	61.03
Tennessee Valley Authority Allen	**1,563.7**	**12,190**	**2.23**	**8.19**	**128.0**	**31.21**
Illinois	124.1	12,024	2.39	9.07	125.2	30.12
Gallatin	124.1	12,024	2.39	9.07	125.2	30.12
Kentucky	1,439.6	12,204	2.22	8.11	128.3	31.31
Butler	605.4	11,812	2.06	7.51	121.5	28.70
Caldwell	279.6	12,432	2.40	8.71	146.4	36.40
Unknown	554.6	12,518	2.31	8.46	126.1	31.58
Tennessee Valley Authority Bull Run	**1,716.6**	**11,661**	**.86**	**13.07**	**199.3**	**46.47**
Kentucky	1,716.6	11,661	.86	13.07	199.3	46.47
Breathitt	1,417.2	11,653	.87	13.07	199.8	46.57
Unknown	299.3	11,699	.84	13.10	196.6	46.01
Tennessee Valley Authority Colbert	**3,315.3**	**11,689**	**2.21**	**11.38**	**186.1**	**43.50**
Illinois	210.0	11,578	2.12	7.97	102.3	23.69
Franklin	210.0	11,578	2.12	7.97	102.3	23.69
Kentucky	454.7	11,833	1.91	12.00	113.8	26.93
Unknown	454.7	11,833	1.91	12.00	113.8	26.93
Ohio	2,650.5	11,673	2.28	11.54	205.2	47.91
Belmont	2,650.5	11,673	2.28	11.54	205.2	47.91
Tennessee Valley Authority Cumberland	**5,760.8**	**11,659**	**2.82**	**8.53**	**126.9**	**29.59**
Kentucky	5,438.0	11,622	2.82	8.29	126.2	29.33
Butler	210.5	11,656	2.56	8.96	116.8	27.23
Hopkins	36.0	11,371	2.80	12.00	115.4	26.25
Union	5,191.5	11,623	2.83	8.24	126.6	29.44
Tennessee	8.5	11,900	2.20	13.60	118.6	28.23
Fentress	8.5	11,900	2.20	13.60	118.6	28.23
West Virginia	314.4	12,293	2.70	12.56	138.5	34.06
Preston	314.4	12,293	2.70	12.56	138.5	34.06
Tennessee Valley Authority Gallatin	**2,778.6**	**12,215**	**2.79**	**9.14**	**146.9**	**35.90**
Kentucky	2,678.1	12,226	2.82	9.00	148.1	36.21
Hopkins	897.5	11,948	2.76	9.26	133.4	31.87
Union	3.1	11,425	2.94	8.70	135.9	31.06
Webster	864.9	12,496	2.67	7.28	170.6	42.63
Unknown	1,112.6	12,192	2.99	10.18	139.3	33.96
Tennessee	100.6	11,939	2.00	12.85	115.1	27.47
Unknown	100.6	11,939	2.00	12.85	115.1	27.47
Tennessee Valley Authority Johnsonville	**2,653.4**	**11,727**	**1.77**	**9.61**	**116.8**	**27.35**
Illinois	1,061.4	11,787	1.84	7.40	104.7	24.67
Franklin	785.7	11,773	1.83	7.55	104.0	24.49
Unknown	275.8	11,826	1.87	6.98	106.5	25.19
Kentucky	1,592.0	11,686	1.72	11.09	124.6	29.13
Unknown	1,592.0	11,686	1.72	11.09	124.6	29.13
Tennessee Valley Authority Kingston	**3,523.1**	**12,435**	**1.29**	**10.08**	**122.7**	**30.52**
Kentucky	1,856.1	12,314	1.28	10.35	131.6	32.41
Bell	1,128.4	12,469	1.47	9.66	118.4	29.53
Breathitt	323.3	11,743	.82	12.94	200.8	47.15
Clay	9.8	12,057	1.49	12.39	109.3	26.37
Harlan	333.3	12,471	1.13	9.93	117.6	29.32
Knox	46.5	11,690	.94	11.88	109.5	25.59
Leslie	1.4	11,933	1.30	10.30	108.8	25.97
Whitley	5.3	12,476	1.37	9.13	108.9	27.17
Unknown	8.2	10,947	1.28	11.56	108.4	23.72
Tennessee	1,561.2	12,520	1.29	9.96	113.4	28.40
Anderson	417.4	12,548	1.37	10.05	115.9	29.08
Campbell	169.6	12,364	1.07	10.82	109.1	26.97
Claiborne	30.5	12,771	1.58	7.84	108.2	27.64
Cumberland	12.3	12,755	.87	11.31	104.3	26.61
Morgan	96.5	12,363	1.34	11.40	115.6	28.59
Scott	203.7	13,053	1.21	7.37	108.6	28.36
Unknown	631.3	12,379	1.32	10.35	114.6	28.38

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Tennessee Valley Authority Kingston						
Virginia	105.8	13,301	1.53	7.08	107.3	28.54
Wise	105.8	13,301	1.53	7.08	107.3	28.54
Tennessee Valley Authority Paradise	**5,918.4**	**10,812**	**4.33**	**17.14**	**96.9**	**20.95**
Kentucky	5,918.4	10,812	4.33	17.14	96.9	20.95
Hopkins	918.9	11,215	4.32	15.30	108.3	24.30
Muhlenberg	3,631.1	10,401	4.37	18.04	98.6	20.51
Webster	323.6	12,040	4.22	14.34	76.1	18.33
Unknown	1,044.9	11,503	4.24	16.47	88.4	20.34
Tennessee Valley Authority Sevier	**1,762.4**	**12,977**	**1.63**	**9.23**	**124.2**	**32.23**
Kentucky	533.5	12,433	1.77	11.60	117.4	29.20
Bell	7.3	12,596	1.98	10.32	107.7	27.12
Harlan	41.3	12,448	1.70	11.57	106.6	26.55
Letcher	208.0	12,403	1.27	11.23	116.4	28.87
Pike	1.9	12,866	1.40	7.60	105.5	27.15
Whitley	4.7	12,623	2.06	8.76	116.3	29.35
Unknown	270.3	12,444	2.16	11.99	120.3	29.93
Tennessee	70.3	12,690	1.97	11.47	116.0	29.45
Anderson	28.4	12,605	2.10	12.19	103.8	26.16
Scott	41.9	12,748	1.89	10.98	124.3	31.69
Virginia	1,158.6	13,245	1.54	8.00	127.6	33.79
Dickenson	2.6	12,565	.90	11.20	117.8	29.60
Lee	16.8	12,340	1.83	10.46	112.5	27.76
Wise	1,129.3	13,268	1.54	7.92	127.8	33.90
Unknown	9.9	12,274	2.10	12.00	132.2	32.45
Tennessee Valley Authority Shawnee	**2,020.2**	**12,445**	**1.25**	**9.15**	**126.2**	**31.42**
Illinois	18.1	12,722	.70	8.23	114.4	29.10
Franklin	15.2	12,718	.70	8.23	113.0	28.74
Unknown	3.0	12,742	.70	8.20	121.5	30.96
Kentucky	1,413.2	12,371	1.34	9.15	117.9	29.18
Martin	225.9	12,454	.69	7.14	123.5	30.75
Ohio	51.8	11,394	3.59	10.28	87.0	19.81
Pike	81.7	12,163	.74	11.74	121.3	29.51
Unknown	1,053.8	12,418	1.42	9.33	117.9	29.28
Tennessee	9.9	11,577	3.87	11.97	98.4	22.78
Fentress	9.9	11,577	3.87	11.97	98.4	22.78
West Virginia	579.0	12,630	1.00	9.11	146.9	37.11
Boone	128.5	12,488	.70	10.72	122.0	30.46
Logan	113.1	12,937	.60	8.22	236.8	61.26
Mingo	34.6	11,887	.62	11.44	120.0	28.53
Unknown	302.7	12,660	1.32	8.49	126.0	31.90
Tennessee Valley Authority Widows Creek	**1,761.1**	**12,333**	**1.89**	**11.62**	**127.9**	**31.56**
Illinois	1.6	12,116	.90	11.20	112.2	27.19
Unknown	1.6	12,116	.90	11.20	112.2	27.19
Kentucky	1,048.2	12,235	2.68	11.19	131.1	32.09
Harlan	147.7	12,916	.84	8.71	159.6	41.21
Hopkins	52.4	12,018	3.00	8.97	116.4	27.99
Perry	9.4	11,955	.80	9.50	129.4	30.94
Union	428.4	12,003	3.86	12.90	135.9	32.61
Unknown	410.3	12,267	2.10	10.63	117.4	28.81
Tennessee	711.3	12,478	.74	12.26	123.4	30.79
Grundy	21.8	12,598	.80	11.26	140.5	35.39
Marion	38.3	12,535	.72	12.20	123.5	30.97
Sequatchie	275.7	12,480	.79	12.01	122.3	30.54
Unknown	375.5	12,464	.70	12.50	123.1	30.70
Texas Municipal Power Agency Gibbons Creek	**3,444.9**	**4,747**	**1.11**	**24.99**	**140.9**	**13.37**
Texas	3,376.2	4,672	1.13	25.39	140.9	13.17
Grimes	3,376.2	4,672	1.13	25.39	140.9	13.17
Wyoming	68.7	8,450	.35	5.30	139.0	23.49
Campbell	68.7	8,450	.35	5.30	139.0	23.49
Texas Utilities Electric Co Big Brown	**5,847.0**	**6,810**	**.66**	**14.75**	**83.6**	**11.39**

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Origin State County	Plant	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
			Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Texas Utilities Electric Co	**Big Brown**						
Texas		5,847.0	6,810	0.66	14.75	83.6	11.39
Freestone		5,847.0	6,810	.66	14.75	83.6	11.39
Texas Utilities Electric Co	**Martin Lake**	**12,462.0**	**6,747**	**.88**	**12.32**	**98.1**	**13.24**
Texas		12,462.0	6,747	.88	12.32	98.1	13.24
Panola		12,462.0	6,747	.88	12.32	98.1	13.24
Texas Utilities Electric Co	**Monticello**	**10,761.0**	**6,138**	**.56**	**17.97**	**96.5**	**11.84**
Texas		10,761.0	6,138	.56	17.97	96.5	11.84
Titus		10,761.0	6,138	.56	17.97	96.5	11.84
Texas Utilities Electric Co	**Sandow No 4**	**656.0**	**6,136**	**1.18**	**20.26**	**88.3**	**10.84**
Texas		656.0	6,136	1.18	20.26	88.3	10.84
Milam		656.0	6,136	1.18	20.26	88.3	10.84
Toledo Edison Co	**Acme**	**134.4**	**13,203**	**.66**	**6.90**	**155.1**	**40.96**
Kentucky		105.0	13,257	.65	6.59	154.0	40.82
Pike		105.0	13,257	.65	6.59	154.0	40.82
West Virginia		29.4	13,010	.69	8.02	159.4	41.48
Kanawha		9.0	13,121	.74	6.41	158.1	41.50
Logan		6.5	13,110	.73	7.70	157.4	41.27
Mingo		13.9	12,892	.64	9.22	161.2	41.56
Toledo Edison Co	**Bay Shore**	**1,203.4**	**13,176**	**1.26**	**6.69**	**208.3**	**54.89**
Kentucky		417.9	13,415	1.38	6.14	200.7	53.85
Pike		417.9	13,415	1.38	6.14	200.7	53.85
Ohio		7.1	11,914	.68	7.20	108.4	25.83
Unknown		7.1	11,914	.68	7.20	108.4	25.83
West Virginia		778.4	13,060	1.20	6.99	213.3	55.72
Mingo		778.4	13,060	1.20	6.99	213.3	55.72
Tucson Electric Power Co	**Irvington**	**348.0**	**10,300**	**.45**	**11.67**	**264.8**	**54.54**
New Mexico		348.0	10,300	.45	11.67	264.8	54.54
Mckinley		348.0	10,300	.45	11.67	264.8	54.54
Union Electric Co	**Labadie**	**4,801.0**	**11,291**	**2.35**	**9.39**	**149.6**	**33.78**
Colorado		71.0	11,489	.61	7.41	137.7	31.65
Delta		71.0	11,489	.61	7.41	137.7	31.65
Illinois		4,730.0	11,288	2.38	9.42	149.8	33.81
Jackson		627.0	10,600	1.41	11.29	151.4	32.09
Jefferson		1,116.0	11,842	1.29	7.06	199.0	47.13
Perry		2,746.0	11,200	3.10	10.10	123.8	27.73
Randolph		64.0	11,000	3.00	9.70	102.6	22.57
Saline		177.0	11,700	1.28	7.10	232.5	54.39
Union Electric Co	**Meramec**	**632.0**	**11,688**	**1.26**	**7.40**	**192.9**	**45.09**
Illinois		569.0	11,758	1.26	7.01	199.8	46.98
Franklin		20.0	11,600	1.35	9.00	112.9	26.19
Jefferson		45.0	12,200	1.20	5.00	133.5	32.56
Saline		504.0	11,725	1.28	7.11	209.4	49.10
Indiana		49.0	11,071	1.17	10.64	126.1	27.92
Daviess		7.0	11,300	1.00	7.50	129.4	29.24
Dubois		42.0	11,033	1.20	11.17	125.5	27.69
Kentucky		14.0	11,000	1.78	12.00	128.4	28.26
Daviess		7.0	11,000	2.30	12.00	131.4	28.91
Floyd		7.0	11,000	1.26	12.00	125.5	27.61
Union Electric Co	**Rush Island**	**3,093.0**	**10,326**	**.94**	**9.77**	**162.1**	**33.47**
Illinois		2,500.0	10,783	1.04	10.68	171.9	37.08
Jackson		2,100.0	10,600	1.00	11.40	160.3	33.99
Jefferson		34.0	12,200	1.20	5.00	126.0	30.76
Saline		366.0	11,700	1.28	7.10	236.7	55.39
Wyoming		593.0	8,400	.50	5.90	108.6	18.25
Campbell		593.0	8,400	.50	5.90	108.6	18.25
Union Electric Co	**Sioux**	**2,072.0**	**10,051**	**1.52**	**7.09**	**166.8**	**33.54**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company / Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Union Electric Co — Sioux						
Illinois	1,081.0	11,564	2.45	8.18	208.0	48.11
Perry	1,081.0	11,564	2.45	8.18	208.0	48.11
Wyoming	991.0	8,400	.50	5.90	105.0	17.64
Campbell	991.0	8,400	.50	5.90	105.0	17.64
United Illuminating Co — Bridgeport Harbor	**830.0**	**13,139**	**.52**	**6.29**	**228.6**	**60.07**
Kentucky	818.0	13,139	.52	6.28	229.3	60.26
Pike	818.0	13,139	.52	6.28	229.3	60.26
West Virginia	12.0	13,101	.65	7.20	179.6	47.06
Mingo	12.0	13,101	.65	7.20	179.6	47.06
United Power Assn — Stanton	**1,120.1**	**6,698**	**.65**	**9.37**	**103.2**	**13.83**
North Dakota	1,120.1	6,698	.65	9.37	103.2	13.83
Mercer	1,120.1	6,698	.65	9.37	103.2	13.83
Utah Power & Light Co — Carbon	**462.0**	**11,786**	**.47**	**5.37**	**183.7**	**43.30**
Utah	462.0	11,786	.47	5.37	183.7	43.30
Carbon	462.0	11,786	.47	5.37	183.7	43.30
Utah Power & Light Co — Emery-Hunter	**3,908.0**	**11,175**	**.47**	**13.29**	**90.3**	**20.19**
Utah	3,908.0	11,175	.47	13.29	90.3	20.19
Emery	3,908.0	11,175	.47	13.29	90.3	20.19
Utah Power & Light Co — Huntington	**2,494.0**	**11,727**	**.40**	**11.68**	**100.4**	**23.55**
Utah	2,484.0	11,727	.40	11.68	100.4	23.55
Emery	2,484.0	11,727	.40	11.68	100.4	23.55
Utah Power & Light Co — Naughton	**2,574.0**	**9,575**	**.83**	**5.82**	**114.2**	**21.87**
Wyoming	2,574.0	9,575	.83	5.82	114.2	21.87
Lincoln	2,574.0	9,575	.83	5.82	114.2	21.87
Vineland City of — H M Down	**84.0**	**12,959**	**.91**	**8.65**	**185.1**	**47.97**
West Virginia	84.0	12,959	.91	8.65	185.1	47.97
Nicholas	84.0	12,959	.91	8.65	185.1	47.97
Virginia Electric & Power Co — Bremo Bluff	**387.0**	**12,706**	**.88**	**9.43**	**162.2**	**41.21**
Kentucky	158.0	12,780	1.05	9.55	150.7	38.53
Knott	28.0	12,614	.90	9.37	147.6	37.23
Pike	130.0	12,816	1.08	9.59	151.4	38.81
West Virginia	229.0	12,655	.77	9.34	170.1	43.06
Boone	112.0	12,688	.73	9.93	176.4	44.76
Logan	117.0	12,624	.81	8.78	164.1	41.43
Virginia Electric & Power Co — Chesterfield	**2,286.0**	**12,758**	**.91**	**8.97**	**150.8**	**38.49**
Kentucky	834.0	12,711	1.09	8.63	148.0	37.62
Bell	63.0	12,636	1.35	8.40	145.2	36.69
Breathitt	74.0	12,622	1.26	8.52	144.0	36.35
Clay	8.0	13,081	1.29	7.60	143.9	37.65
Floyd	208.0	12,749	1.01	7.81	149.3	38.06
Harlan	25.0	12,370	1.24	9.95	144.3	35.70
Knott	45.0	12,548	1.11	9.18	142.6	35.78
Knox	24.0	12,496	1.23	9.97	143.5	35.86
Magoffin	11.0	12,632	.81	7.70	155.0	39.16
Perry	72.0	12,566	.85	9.42	143.8	36.14
Pike	304.0	12,820	1.09	8.85	150.8	38.67
Virginia	322.0	12,952	1.05	8.31	154.5	40.01
Buchanan	137.0	12,889	.94	7.34	151.9	39.16
Dickenson	18.0	13,031	1.40	8.87	154.6	40.28
Lee	41.0	12,449	1.34	9.87	151.3	37.67
Wise	126.0	13,172	1.03	8.78	158.1	41.66
West Virginia	1,130.0	12,736	.74	9.40	151.9	38.69
Boone	324.0	12,685	.90	9.36	158.1	40.11
Logan	806.0	12,759	.67	9.41	149.4	38.12
Virginia Electric & Power Co — Mount Storm	**4,013.0**	**12,368**	**1.74**	**13.24**	**133.6**	**33.05**
Maryland	561.0	12,152	1.64	14.71	116.8	28.39
Allegany	466.0	12,134	1.65	14.94	121.3	29.43
Garrett	95.0	12,244	1.57	13.60	95.0	23.28

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Virginia Electric & Power Co Mount Storm						
West Virginia	3,452.0	12,403	1.76	13.00	136.3	33.81
Barbour	29.0	11,755	1.91	16.96	96.7	22.74
Grant	3,117.0	12,475	1.76	12.62	140.4	35.02
Mineral	106.0	11,891	1.62	14.72	96.8	23.03
Preston	38.0	11,348	1.63	17.18	99.0	22.48
Randolph	162.0	11,726	1.85	17.42	94.7	22.21
Virginia Electric & Power Co Chesapeake Energy	**1,270.0**	**12,940**	**1.04**	**8.69**	**153.4**	**39.69**
Kentucky	174.0	12,905	.96	8.15	149.7	38.64
Martin	30.0	12,891	1.08	8.00	143.4	36.97
Pike	144.0	12,906	.94	8.18	151.0	38.98
Virginia	912.0	12,966	1.10	8.76	155.0	40.26
Buchanan	397.0	13,009	1.14	8.71	154.1	40.09
Dickenson	10.0	12,330	1.05	11.18	151.7	37.41
Lee	9.0	12,364	1.35	9.67	151.0	37.33
Russell	7.0	12,509	.95	10.29	146.4	36.64
Wise	489.0	12,999	1.06	8.70	156.0	40.56
West Virginia	184.0	12,746	.85	8.90	148.6	37.89
Mcdowell	3.0	12,720	.78	8.60	151.1	38.44
Mingo	138.0	12,762	.84	8.62	148.7	37.96
Wyoming	43.0	12,699	.88	9.81	148.1	37.62
Virginia Electric & Power Co Possum Point	**538.0**	**12,683**	**.84**	**8.52**	**152.8**	**38.77**
Kentucky	330.0	12,721	.82	8.11	153.1	38.96
Floyd	92.0	12,909	.87	8.93	151.0	38.98
Magoffin	114.0	12,509	.79	8.35	153.8	38.47
Pike	124.0	12,776	.82	8.77	154.2	39.39
Virginia	153.0	12,608	.88	9.21	152.6	38.49
Buchanan	141.0	12,608	.89	9.03	152.8	38.52
Lee	6.0	12,440	.79	10.20	152.2	37.87
Wise	6.0	12,788	.84	12.40	150.0	38.36
West Virginia	55.0	12,665	.80	9.03	151.5	38.37
Boone	14.0	12,802	.93	9.50	161.3	41.28
Logan	34.0	12,486	.63	9.36	148.0	36.95
Upshur	7.0	13,258	1.37	6.50	148.8	39.46
Virginia Electric & Power Co Yorktown	**566.0**	**13,038**	**1.32**	**7.66**	**159.6**	**41.61**
Kentucky	465.0	13,009	1.31	7.49	160.7	41.82
Breathitt	49.0	12,703	1.24	7.79	146.5	37.21
Floyd	12.0	12,250	1.50	13.10	144.7	35.44
Perry	7.0	12,998	1.25	7.70	146.5	38.08
Pike	397.0	13,070	1.32	7.28	163.2	42.65
Virginia	80.0	13,199	1.41	8.05	156.8	41.39
Dickenson	80.0	13,199	1.41	8.05	156.8	41.39
West Virginia	21.0	13,065	1.12	9.83	144.4	37.74
Boone	21.0	13,065	1.12	9.83	144.4	37.74
West Penn Power Co Armstrong	**857.5**	**12,484**	**1.89**	**11.19**	**112.9**	**28.18**
Pennsylvania	857.5	12,484	1.89	11.19	112.9	28.18
Armstrong	464.8	12,424	1.93	11.41	98.7	24.52
Jefferson	392.7	12,556	1.85	10.93	129.5	32.51
West Penn Power Co Hatfield	**3,566.3**	**12,721**	**2.32**	**9.97**	**136.5**	**34.74**
Kentucky	13.1	12,282	.98	9.10	189.1	46.45
Martin	13.1	12,282	.98	9.10	189.1	46.45
Pennsylvania	11.8	13,193	1.52	6.90	140.0	36.93
Greene	11.8	13,193	1.52	6.90	140.0	36.93
West Virginia	3,541.4	12,721	2.33	9.99	136.3	34.69
Marion	9.6	13,125	1.42	5.90	151.5	39.77
Monongalia	3,531.8	12,720	2.33	10.00	136.3	34.68
West Penn Power Co Mitchell	**584.6**	**12,211**	**2.59**	**12.61**	**119.0**	**29.06**
Ohio	8.9	12,410	2.50	11.00	130.2	32.32
Belmont	8.9	12,410	2.50	11.00	130.2	32.32
West Virginia	575.7	12,208	2.59	12.63	118.8	29.01
Monongalia	575.7	12,208	2.59	12.63	118.8	29.01
West Texas Utilities Co Oklaunion	**2,053.1**	**8,377**	**.37**	**4.99**	**171.8**	**28.79**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
West Texas Utilities Co Oklaunion	2,053.1	8,377	0.37	4.99	171.8	28.79
Wyoming	2,053.1	8,377	.37	4.99	171.8	28.79
Campbell						
Western Farmers Elec Coop Inc Hugo	**1,683.6**	**8,818**	**.35**	**5.27**	**169.3**	**29.85**
Oklahoma	71.7	13,650	.78	6.92	175.5	47.91
Haskell	71.7	13,650	.78	6.92	175.5	47.91
Wyoming	1,611.9	8,603	.33	5.20	168.8	29.04
Campbell	1,611.9	8,603	.33	5.20	168.8	29.04
Wisconsin Electric Power Co Oak Creek	**1,962.2**	**12,263**	**1.60**	**7.42**	**169.2**	**41.50**
Illinois	1,312.1	11,767	1.59	7.78	182.6	42.97
Franklin	1,241.8	11,771	1.58	7.78	185.0	43.55
Gallatin	59.7	11,616	1.72	8.08	138.4	32.15
Saline	10.6	12,081	1.57	5.80	150.1	36.27
Pennsylvania	650.1	13,265	1.62	6.70	145.2	38.53
Greene	650.1	13,265	1.62	6.70	145.2	38.53
Wisconsin Electric Power Co Pleasant Prairie	**4,934.1**	**8,450**	**.34**	**5.16**	**96.4**	**16.29**
Wyoming	4,934.1	8,450	.34	5.16	96.4	16.29
Campbell	4,934.1	8,450	.34	5.16	96.4	16.29
Wisconsin Electric Power Co Port Washington	**199.4**	**13,222**	**1.53**	**6.24**	**169.4**	**44.80**
Pennsylvania	199.4	13,222	1.53	6.24	169.4	44.80
Armstrong	13.8	12,506	1.59	11.10	173.4	43.37
Greene	185.6	13,275	1.52	5.88	169.1	44.90
Wisconsin Electric Power Co Presque Isle	**1,522.3**	**10,607**	**.65**	**7.47**	**159.1**	**33.74**
Kentucky	303.6	12,623	.88	8.92	145.2	36.67
Floyd	44.7	12,563	.84	7.09	145.2	36.47
Harlan	152.2	12,744	.85	9.57	144.0	36.70
Magoffin	106.7	12,474	.93	8.75	147.1	36.70
Montana	855.6	8,892	.53	6.63	174.9	31.11
Big Horn	641.5	8,899	.53	6.63	177.4	31.58
Rosebud	214.1	8,873	.53	6.64	167.4	29.70
West Virginia	363.1	12,964	.76	8.23	144.7	37.51
Mingo	363.1	12,964	.76	8.23	144.7	37.51
Wisconsin Electric Power Co Valley	**301.5**	**12,642**	**1.58**	**10.21**	**187.7**	**47.47**
Pennsylvania	301.5	12,642	1.58	10.21	187.7	47.47
Armstrong	253.8	12,535	1.60	11.03	188.2	47.18
Greene	47.7	13,213	1.45	5.87	185.6	49.04
Wisconsin Power & Light Co Columbia	**2,763.8**	**8,696**	**.59**	**7.18**	**158.7**	**27.61**
Montana	1,617.1	8,688	.75	8.62	164.0	28.50
Rosebud	1,617.1	8,688	.75	8.62	164.0	28.50
Wyoming	1,146.6	8,708	.37	5.14	151.3	26.35
Campbell	1,146.6	8,708	.37	5.14	151.3	26.35
Wisconsin Power & Light Co Edgewater	**2,098.0**	**9,896**	**1.16**	**7.10**	**172.9**	**34.22**
Indiana	969.6	11,077	2.10	9.62	172.5	38.22
Daviess	947.7	11,086	2.13	9.63	172.6	38.26
Knox	21.9	10,656	.55	9.19	170.3	36.29
Montana	11.0	9,526	.31	3.55	153.0	29.15
Big Horn	11.0	9,526	.31	3.55	153.0	29.15
Wyoming	1,117.4	8,876	.36	4.95	173.6	30.81
Campbell	1,117.4	8,876	.36	4.95	173.6	30.81
Wisconsin Power & Light Co Nelson Dewey	**576.9**	**10,807**	**1.10**	**6.25**	**136.7**	**29.56**
Illinois	44.5	12,078	1.63	7.29	132.8	32.07
Saline	44.5	12,078	1.63	7.29	132.8	32.07
Indiana	249.6	11,843	1.45	4.61	135.5	32.09
Spencer	249.6	11,843	1.45	4.61	135.5	32.09
Kentucky	51.0	12,189	1.46	6.38	138.6	33.79
Butler	51.0	12,189	1.46	6.38	138.6	33.79
Montana	219.1	8,910	.55	7.78	133.5	23.79
Big Horn	219.1	8,910	.55	7.78	133.5	23.79

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received by Company and Plant, 1988 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Wisconsin Power & Light Co Nelson Dewey						
New Mexico	9.7	12,985	0.37	8.64	212.7	55.23
Colfax	9.7	12,985	.37	8.64	212.7	55.23
Virginia	2.9	13,951	.75	4.87	170.2	47.50
Buchanan	2.9	13,951	.75	4.87	170.2	47.50
Wisconsin Power & Light Co Rock River	**245.4**	**10,652**	**1.12**	**6.01**	**155.0**	**33.02**
Indiana	142.6	11,485	1.67	7.34	151.4	34.78
Daviess	66.1	11,052	2.11	9.78	132.4	29.26
Spencer	76.5	11,860	1.29	5.24	166.7	39.55
Montana	87.0	9,337	.32	4.10	159.6	29.80
Big Horn	87.0	9,337	.32	4.10	159.6	29.80
Virginia	4.2	14,029	.77	4.41	188.2	52.81
Buchanan	4.2	14,029	.77	4.41	188.2	52.81
Wyoming	11.6	9,044	.35	4.59	156.2	28.25
Campbell	11.6	9,044	.35	4.59	156.2	28.25
Wisconsin Public Service Corp Pulliam	**681.0**	**11,564**	**2.40**	**9.50**	**172.0**	**39.77**
Indiana	513.0	11,096	2.55	10.12	183.6	40.74
Daviess	513.0	11,096	2.55	10.12	183.6	40.74
Kentucky	55.0	12,428	.91	8.23	152.7	37.96
Breathitt	34.0	12,124	1.08	8.80	150.3	36.44
Pike	21.0	12,919	.63	7.30	156.4	40.41
West Virginia	113.0	13,266	2.43	7.29	136.6	36.24
Marion	74.0	13,310	2.36	7.42	135.4	36.05
Monongalia	39.0	13,183	2.58	7.04	138.8	36.59
Wisconsin Public Service Corp Weston	**1,469.0**	**9,417**	**.53**	**5.58**	**187.3**	**35.27**
Indiana	263.0	11,212	1.17	8.25	193.3	43.35
Daviess	245.0	11,203	1.18	8.41	193.9	43.44
Greene	18.0	11,341	.96	6.07	185.2	42.01
West Virginia	34.0	13,507	1.40	6.87	159.1	42.97
Kanawha	34.0	13,507	1.40	6.87	159.1	42.97
Wyoming	1,172.0	8,895	.36	4.95	186.8	33.24
Campbell	1,113.0	8,896	.36	4.93	188.2	33.48
Converse	59.0	8,890	.29	5.36	161.2	28.66
Wyandotte Municipal Serv Comm Wyandotte	**125.6**	**13,548**	**.66**	**5.58**	**190.0**	**51.48**
West Virginia	125.6	13,548	.66	5.58	190.0	51.48
Boone	125.6	13,548	.66	5.58	190.0	51.48
Total	**727,775.5**	**10,451**	**1.32**	**9.88**	**146.6**	**30.64**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Plant Fossil Fuel Data, 1988

Background

This section presents quantity, quality, and cost data for fossil fuels received by electric generating plants. The fuels received by these plants are described by amount (thousand short tons, thousand barrels, or thousand cubic feet) and cost (cents per million Btu and dollars per short ton, barrel, or thousand cubic feet). The costs reported by electric utilities include all costs incurred by the utility (including transportation, taxes, etc.) for delivery of fuel to the electric plant. In addition, coal and petroleum are described by their quality, referring to the average percentage of sulfur content.

The coal data in Table 51 include bituminous, subbituminous, lignite, anthracite, and small quantities of petroleum coke.

The petroleum data in Table 51 include an aggregation of data for FO2 (light oil), FO4 and FO5 (blends of FO2 and FO6, heavy oil). These fuels are used for startup and flame stabilization and as a primary fuel in some smaller oil-fired units. FO6, a heavy oil used as the primary fuel in large oil-fired units, re-refined motor oil, and liquefied petroleum gas are also included.

The gas data include natural gas, coke-oven gas, blast-furnace gas, and refinery gas.

A list of all holding companies in this chapter can be found in the section "Coal, Origin-by-Destination."

Appendix A contains an alphabetical listing of States, and the utilities that report in each State.

Any nonzero quantity of fossil fuel less than 50 short tons, 50 barrels, or 50 cubic feet is represented in the tables by an asterisk.

The following is a list of companies with unique situations that affect the quantity or cost of fuel reported on FERC Form 423.

Alabama Power Company

All coal delivered to the Gorgas Transshipping Facility is reported as receipts at the Gorgas steam plant. Large quantities of this coal are then shipped to the Barry steam plant approximately 250 miles to the south, and the Greene plant. Transportation costs for coal shipped from the Gorgas plant to either the Barry plant or the Greene plant are not included in this report. Most coal delivered to the Barry plant and the Greene plant is reported as receipts at the Gorgas plant.

Baltimore Gas & Electric

Coal receipts for the Brandon Shores plant are reported when received at the Newport News Virginia dock facility. Transportation costs from Newport News to the Brandon Shores plant are included in the cost data shown in this report.

Consolidated Edison of New York

Storage facilities 1, 2, and 5 are located in New Jersey. Storage facilities 3, 4, and 6 are located in New York.

Deepwater Operating Company

Coal receipts are reported only for the one coal-fired unit at the Deepwater plant that is owned by the company. Data on units owned by the Dupont Chemical Company are not included in this report.

Detroit Edison

The low gas price is the result of the purchase of large quantities of Blast-Furnace gas by the company.

Florida Power Corporation

Approximately one-half of the coal reported for the Crystal River plant includes the cost of transportation to the plant. All other coal is shown as delivered to transfer facilities in Kentucky, West Virginia, and Louisiana. These receipts, although shown in this publication as being delivered to Crystal River, do not include any transportation cost from these transfer facilities to Crystal River. Therefore, the average cost shown is not the actual delivered cost.

Southern California Edison

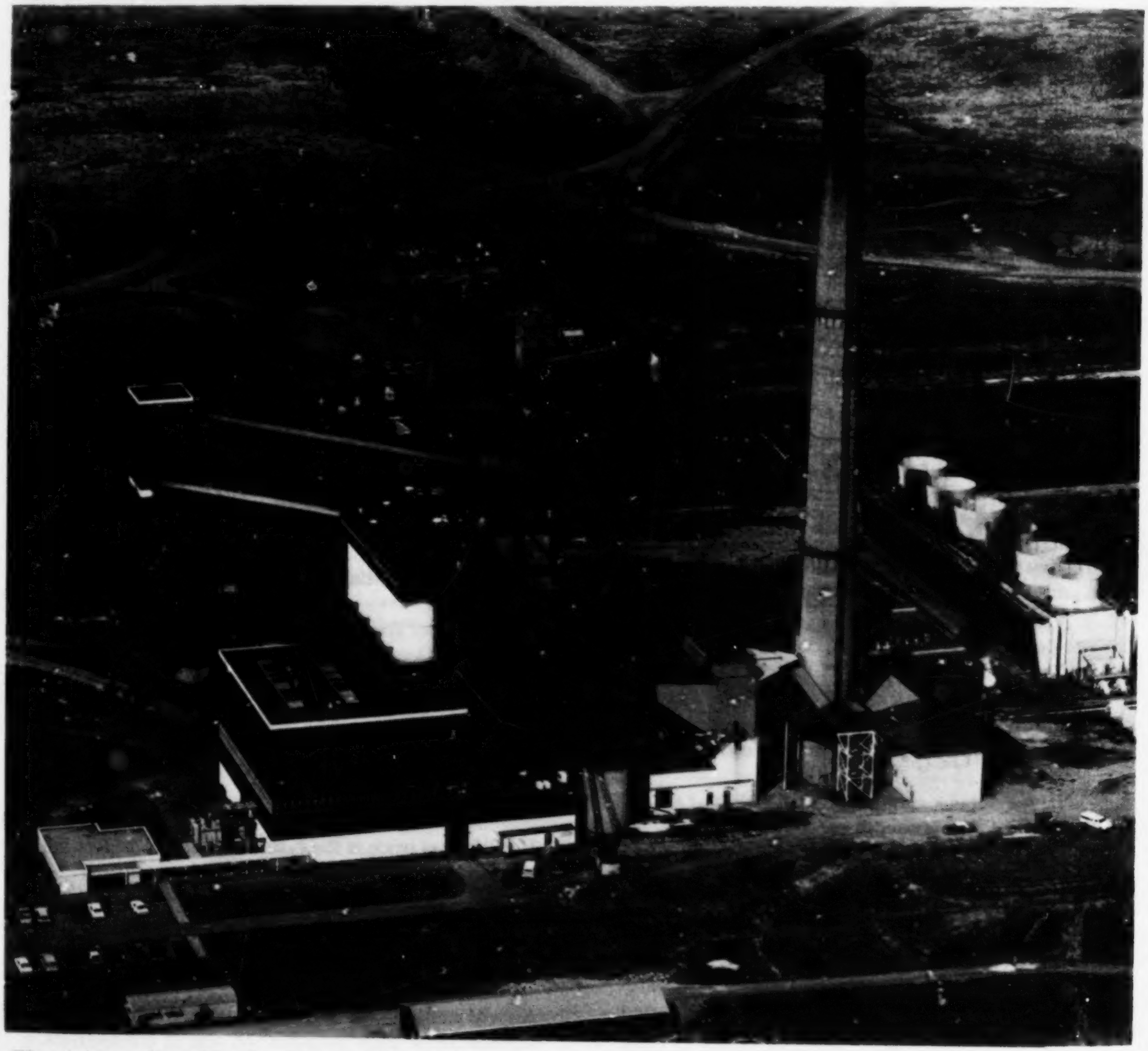
All coal delivered to the Mohave plant is transported by a coal-slurry pipeline from the Black Mesa mine located in Arizona.

Tampa Electric

Transportation costs (approximately $5.00 per short ton) for coal shipped from the New Orleans loading facility to the Big Bend plant are not included in this report.

Tennessee Valley Authority

The price of coal delivered to Tennessee Valley Authority (TVA) reflects the actual cost of coal in 1988. Adjustments reported monthly by the TVA are not included.



The Asbury Plant (Empire District Electric Company) received 654,000 tons of Kansas, Missouri and Wyoming coal in 1988.

Table 50. Receipts and Average Cost of Contract and Spot Coal by Company and Plant, 1988

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Alabama Electric Coop Inc	**690.5**	**11,800**	**1.23**	**13.05**	**173.4**	**40.93**	**501.7**	**12,323**	**1.56**	**11.43**	**141.1**	**34.78**
Lowman (AL)	690.5	11,800	1.23	13.05	173.4	40.93	501.7	12,323	1.56	11.43	141.1	34.78
Alabama Power Co	**12,823.0**	**12,280**	**1.26**	**11.81**	**213.5**	**52.43**	**803.1**	**12,122**	**1.45**	**12.22**	**126.2**	**30.59**
Barry (AL)	501.4	12,742	.89	10.18	224.2	57.12	162.9	12,046	.95	12.14	132.8	31.99
Gadsden (AL)	98.2	12,824	1.89	10.98	197.1	50.56	7.3	12,548	1.54	11.18	154.9	38.87
Gorgas 2 and 3 (AL)	4,581.8	12,007	1.08	12.92	195.6	46.98	335.6	12,093	1.48	12.43	117.0	28.29
Greene (AL)	1,315.0	12,519	1.58	11.19	192.1	48.10	86.7	12,045	1.80	12.74	122.0	29.39
Gaston (AL)	3,599.0	12,282	1.95	11.44	202.9	49.85	210.6	12,245	1.63	11.75	136.3	33.37
James Miller (AL)	2,727.6	12,514	.57	11.09	264.8	66.27	–	–	–	–	–	–
Alamito Co	**1,249.5**	**9,565**	**.78**	**13.85**	**185.8**	**35.55**	–	–	–	–	–	–
Springerville (AZ)	1,249.5	9,565	.78	13.85	185.8	35.55	–	–	–	–	–	–
Ames City of	**199.5**	**8,802**	**.22**	**4.76**	**121.8**	**21.45**	–	–	–	–	–	–
Ames (IA)	199.5	8,802	.22	4.76	121.8	21.45	–	–	–	–	–	–
Appalachian Power Co	**8,108.3**	**12,511**	**.74**	**11.22**	**166.0**	**41.54**	**849.4**	**12,401**	**.76**	**11.41**	**115.3**	**28.81**
Clinch River (VA)	1,200.6	12,641	.74	12.31	144.4	36.51	33.7	12,459	.91	10.41	109.6	27.31
Glen Lyn (VA)	205.5	12,937	.87	10.20	192.4	49.77	102.4	12,973	.78	8.82	120.6	31.28
Amos (WV)	4,450.4	12,418	.73	11.26	170.7	42.40	430.0	12,268	.80	12.24	110.8	27.19
Kanawha River (WV)	535.6	12,490	.81	11.38	140.9	35.21	–	–	–	–	–	–
Mountaineer (WV)	1,716.2	12,616	.70	10.42	173.7	43.83	283.3	12,389	.67	11.20	120.8	29.94
Arizona Electric Pwr Coop Inc	**609.2**	**11,984**	**.38**	**16.08**	**170.1**	**40.77**	–	–	–	–	–	–
Apache (AZ)	609.2	11,984	.38	16.08	170.1	40.77	–	–	–	–	–	–
Arizona Public Service Co	**11,585.8**	**9,029**	**.70**	**19.81**	**111.7**	**20.17**	–	–	–	–	–	–
Cholla (AZ)	2,812.0	10,026	.46	12.97	158.8	31.84	–	–	–	–	–	–
Four Corners (NM)	8,773.8	8,710	.78	22.01	94.3	16.43	–	–	–	–	–	–
Arkansas Power & Light Co	**9,962.3**	**8,747**	**.34**	**5.81**	**160.4**	**28.05**	**221.8**	**6,679**	**.54**	**10.08**	**118.5**	**15.83**
Whitebluff (AR)	4,836.9	8,660	.49	6.24	168.4	29.18	221.8	6,679	.54	10.08	118.5	15.83
Independence (AR)	5,125.4	8,829	.21	5.02	152.9	26.99	–	–	–	–	–	–
Associated Electric Coop Inc	**5,026.4**	**10,671**	**3.86**	**10.00**	**134.6**	**28.72**	–	–	–	–	–	–
Madrid (MO)	1,883.9	10,767	3.25	10.70	136.4	29.37	–	–	–	–	–	–
Hill (MO)	3,142.5	10,614	4.22	9.58	133.5	28.33	–	–	–	–	–	–
Atlantic City Electric Co	**527.0**	**13,115**	**2.69**	**9.56**	**171.0**	**44.84**	**95.0**	**13,135**	**2.15**	**8.44**	**169.9**	**44.64**
England (NJ)	527.0	13,115	2.69	9.56	171.0	44.84	95.0	13,135	2.15	8.44	169.9	44.64
Baltimore Gas & Electric Co	**2,232.0**	**12,865**	**.93**	**9.47**	**157.9**	**40.62**	**963.0**	**13,115**	**1.32**	**7.91**	**153.9**	**40.37**
Brandon Shores (MD)	1,264.0	12,669	.72	10.46	160.5	40.66	221.0	12,964	.70	8.67	152.6	39.57
Crane (MD)	232.0	13,344	2.31	7.03	156.6	41.80	400.0	13,286	2.12	7.11	156.0	41.46
Wagner (MD)	736.0	13,051	.85	8.55	153.9	40.18	342.0	13,012	.78	8.36	152.2	39.61
Basin Electric Power Coop	**14,830.0**	**7,493**	**.52**	**7.16**	**70.8**	**10.61**	**36.6**	**6,392**	**.31**	**6.43**	**94.3**	**12.05**
Leland Olds (ND)	2,356.0	6,743	.76	7.71	93.3	12.58	36.6	6,392	.31	6.43	94.3	12.05
Laramie River (WY)	7,127.7	8,395	.36	5.70	70.4	11.82	–	–	–	–	–	–
Antelope Valley (ND)	5,346.3	6,622	.64	8.86	61.3	8.12	–	–	–	–	–	–
Big Rivers Electric Corp	**4,974.2**	**11,191**	**3.17**	**12.11**	**122.8**	**27.50**	**45.3**	**11,203**	**2.41**	**9.07**	**87.9**	**19.70**
Coleman (KY)	1,192.8	11,301	2.38	8.72	119.7	27.05	45.3	11,203	2.41	9.07	87.9	19.70
Reid-Henderson (KY)	988.4	11,886	2.46	8.41	119.2	28.34	–	–	–	–	–	–
R D Green (KY)	1,467.3	10,566	3.60	15.09	116.3	24.58	–	–	–	–	–	–
Wilson (KY)	1,325.7	11,266	3.94	14.61	135.3	30.50	–	–	–	–	–	–
Cajun Electric Power Coop Inc	**4,174.1**	**8,591**	**.48**	**5.78**	**147.1**	**25.27**	**954.8**	**8,420**	**.48**	**5.81**	**122.9**	**20.69**
Big Cajun No.2 (LA)	4,174.1	8,591	.48	5.78	147.1	25.27	954.8	8,420	.48	5.81	122.9	20.69
Cardinal Operating Co	**3,434.9**	**11,802**	**2.24**	**13.29**	**156.9**	**37.02**	**160.2**	**11,971**	**3.04**	**11.87**	**111.6**	**26.71**
Cardinal (OH)	3,434.9	11,802	2.24	13.29	156.9	37.02	160.2	11,971	3.04	11.87	111.6	26.71

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 50. Receipts and Average Cost of Contract and Spot Coal by Company and Plant, 1988 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Carolina Power & Light Co	**8,683.2**	**12,596**	**0.90**	**10.04**	**177.7**	**44.78**	**85.2**	**12,924**	**1.23**	**8.30**	**140.1**	**36.21**
Asheville (NC)	755.7	13,257	1.05	9.56	133.5	35.39	-	-	-	-	-	-
Cape Fear (NC)	311.4	12,888	1.28	8.12	196.6	50.69	10.8	12,251	.80	12.76	143.4	35.14
Lee (NC)	299.9	12,839	1.19	7.90	202.8	52.09	-	-	-	-	-	-
Roxboro (NC)	4,728.9	12,662	.89	9.40	181.7	46.02	68.5	13,052	1.24	7.32	138.7	36.22
Sutton (NC)	489.9	12,629	1.06	12.31	190.3	48.07	-	-	-	-	-	-
Weatherspoon (NC)	101.8	12,689	1.19	10.97	172.9	43.88	1.1	12,688	1.22	8.27	157.1	39.87
Robinson (SC)	175.3	12,645	1.34	11.12	185.2	46.84	4.8	12,659	2.17	12.39	149.1	37.74
Mayo (NC)	1,820.3	12,041	.63	11.84	175.2	42.20	-	-	-	-	-	-
Cedar Falls City of	**-**	**-**	**-**	**-**	**-**	**-**	**35.2**	**12,011**	**3.37**	**10.75**	**119.6**	**28.72**
Streeter (IA)	-	-	-	-	-	-	35.2	12,011	3.37	10.75	119.6	28.72
Central Electric Pwr Coop-MO	**-**	**-**	**-**	**-**	**-**	**-**	**131.0**	**11,125**	**2.79**	**9.24**	**116.7**	**25.96**
Chamois (MO)	-	-	-	-	-	-	131.0	11,125	2.79	9.24	116.7	25.96
Central Hudson Gas & Elec Corp	**949.5**	**13,078**	**.58**	**8.49**	**191.1**	**49.99**	**-**	**-**	**-**	**-**	**-**	**-**
Danskammer (NY)	949.5	13,078	.58	8.49	191.1	49.99	-	-	-	-	-	-
Central Illinois Light Co	**1,884.0**	**11,953**	**2.07**	**7.21**	**186.2**	**44.52**	**228.0**	**11,793**	**1.71**	**8.29**	**151.3**	**35.69**
Edwards (IL)	948.0	13,364	.69	5.70	174.4	46.61	228.0	11,793	1.71	8.29	151.3	35.69
Duck Creek (IL)	936.0	10,523	3.46	8.74	201.5	42.41	-	-	-	-	-	-
Central Illinois Pub Serv Co	**4,259.9**	**11,071**	**2.86**	**9.33**	**153.7**	**34.02**	**16.9**	**13,126**	**.73**	**6.70**	**172.4**	**45.26**
Coffeen (IL)	1,635.7	10,528	3.74	9.37	150.9	31.77	-	-	-	-	-	-
Grand Tower (IL)	187.5	11,740	3.25	11.30	153.6	36.07	-	-	-	-	-	-
Hutsonville (IL)	219.9	11,363	2.65	9.29	137.8	31.32	-	-	-	-	-	-
Meredosia (IL)	596.9	11,312	2.67	5.89	153.0	34.61	-	-	-	-	-	-
Newton (IL)	1,619.9	11,413	2.01	10.34	158.6	36.21	16.9	13,126	73	6.70	172.4	45.26
Central Iowa Power Coop	**75.9**	**11,632**	**2.62**	**11.33**	**133.7**	**31.10**	**90.8**	**11,102**	**2.95**	**9.41**	**101.3**	**22.50**
Fair Station (IA)	75.9	11,632	2.62	11.33	133.7	31.10	90.8	11,102	2.95	9.41	101.3	22.50
Central Louisiana Elec Co Inc	**4,900.8**	**7,614**	**.55**	**9.46**	**148.8**	**22.66**	**-**	**-**	**-**	**-**	**-**	**-**
Dolet Hills (LA)	2,968.8	6,935	.56	11.64	125.7	17.44	-	-	-	-	-	-
Rodemacher (LA)	1,932.0	8,658	.53	6.12	177.2	30.68	-	-	-	-	-	-
Central Operating Co	**814.1**	**12,527**	**.78**	**10.55**	**184.6**	**46.24**	**288.4**	**12,263**	**1.14**	**11.33**	**114.4**	**28.07**
Sporn (WV)	814.1	12,527	.78	10.55	184.6	46.24	288.4	12,263	1.14	11.33	114.4	28.07
Central Power & Light Co	**1,519.2**	**10,717**	**.35**	**4.94**	**221.8**	**47.54**	**392.9**	**11,193**	**.45**	**7.84**	**156.4**	**35.02**
Coleto Creek (TX)	1,519.2	10,717	.35	4.94	221.8	47.54	392.9	11,193	.45	7.84	156.4	35.02
Cincinnati Gas & Electric Co	**4,384.5**	**11,562**	**1.68**	**12.65**	**167.0**	**38.63**	**2,138.8**	**11,437**	**2.05**	**11.08**	**101.3**	**23.17**
Beckjord (OH)	1,378.5	11,304	1.58	14.09	173.0	39.12	339.8	11,209	2.81	11.34	92.6	20.76
Miami Fort (OH)	2,114.5	11,787	1.63	11.95	167.3	39.44	920.7	11,718	1.72	10.43	107.3	25.15
East Bend (KY)	891.5	11,428	1.95	12.09	157.2	35.92	878.3	11,232	2.11	11.66	98.0	22.02
Cleveland Electric Illum Co	**2,708.0**	**12,341**	**3.10**	**10.08**	**174.6**	**43.10**	**2,373.0**	**12,718**	**2.17**	**8.74**	**134.8**	**34.29**
Ashtabula (OH)	496.0	12,185	3.88	10.54	192.4	46.89	496.0	12,710	2.31	8.85	129.8	33.00
Avon Lake (OH)	1,205.0	12,372	2.58	9.94	150.0	37.12	365.0	12,612	2.43	9.08	135.1	34.09
Eastlake (OH)	879.0	12,301	3.74	10.64	190.1	46.78	1,211.0	12,645	2.41	9.20	131.5	33.25
Lake Shore (OH)	128.0	12,935	.57	5.78	230.3	59.58	301.0	13,157	.66	6.31	155.2	40.83
Colorado Springs City of	**1,079.6**	**10,535**	**.35**	**7.01**	**176.8**	**37.25**	**127.3**	**10,911**	**.48**	**8.23**	**93.6**	**20.43**
Drake (CO)	517.7	10,618	.36	6.07	174.1	36.97	-	-	-	-	-	-
Nixon (CO)	561.9	10,459	.35	7.87	179.3	37.51	127.3	10,911	.48	8.23	93.6	20.43
Colorado Ute Electric Assn Inc	**4,951.2**	**10,281**	**.41**	**8.34**	**93.7**	**19.27**	**1,105.6**	**10,471**	**.35**	**7.13**	**75.2**	**15.74**
Hayden (CO)	1,454.2	10,683	.44	10.27	76.9	16.43	-	-	-	-	-	-
Nucla (CO)	168.8	9,787	.85	22.34	108.3	21.20	2.3	10,568	.49	15.40	108.0	22.83
Craig (CO)	3,328.2	10,131	.37	6.79	100.7	20.41	1,103.3	10,471	.35	7.11	75.1	15.72

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 50. Receipts and Average Cost of Contract and Spot Coal by Company and Plant, 1988 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Columbia City of	58.2	10,844	3.81	10.71	154.3	33.46	-	-	-	-	-	-
Columbia (MO)	58.2	10,844	3.81	10.71	154.3	33.46	-	-	-	-	-	-
Columbus & Southern Ohio El Co	3,213.8	11,845	2.99	8.13	159.0	37.67	-	-	-	-	-	-
Conesville (OH)	3,033.7	11,858	3.01	8.03	161.5	38.30	-	-	-	-	-	-
Picway (OH)	180.1	11,617	2.59	9.78	116.7	27.12	-	-	-	-	-	-
Columbus City of	-	-	-	-	-	-	58.2	12,385	0.69	7.24	153.5	38.02
Refuse & Coal (OH)	-	-	-	-	-	-	58.2	12,385	.69	7.24	153.5	38.02
Commonwealth Edison Co	10,931.7	9,674	.92	6.75	264.8	51.24	-	-	-	-	-	-
Crawford (IL)	714.5	9,557	.41	7.56	309.5	59.15	-	-	-	-	-	-
Joliet (IL)	2,037.0	9,529	.41	6.01	285.8	54.46	-	-	-	-	-	-
Kincaid (IL)	1,892.0	10,315	3.37	10.07	167.5	34.55	-	-	-	-	-	-
Powerton (IL)	3,018.0	9,515	.42	4.78	272.6	51.87	-	-	-	-	-	-
Waukegan (IL)	903.0	9,578	.40	7.43	272.4	52.18	-	-	-	-	-	-
Will County (IL)	1,699.2	9,554	.41	7.31	309.4	59.12	-	-	-	-	-	-
Fisk (IL)	202.0	9,596	.42	7.57	312.2	59.92	-	-	-	-	-	-
State Line (IN)	466.0	9,574	.39	4.34	283.8	54.34	-	-	-	-	-	-
Consumers Power Co	4,209.1	12,551	.76	9.18	198.0	49.70	2,528.2	12,285	.80	9.99	154.4	37.93
Cobb (MI)	459.5	12,675	.80	8.31	207.9	52.69	351.6	12,057	.93	9.39	151.0	36.42
Karn-Weadock (MI)	382.5	12,598	.80	8.54	201.0	50.65	391.4	12,518	.86	9.87	157.2	39.35
Campbell (MI)	2,317.3	12,524	.73	9.74	196.2	49.14	1,293.3	12,162	.73	10.23	158.6	38.59
Weadock (MI)	607.8	12,512	.83	8.51	199.0	49.80	50.5	12,283	.93	10.15	149.9	36.83
Whiting (MI)	442.0	12,574	.77	8.63	193.2	48.58	441.4	12,617	.83	9.87	143.1	36.10
Coop Power Assn	6,679.1	6,299	.64	10.59	72.5	9.14	86.0	6,310	.60	10.80	47.5	5.99
Coal Creek (ND)	6,679.1	6,299	.64	10.59	72.5	9.14	86.0	6,310	.60	10.80	47.5	5.99
Dairyland Power Coop	1,890.0	9,506	1.21	6.96	133.4	25.36	239.7	8,489	.40	5.15	106.8	18.13
Alma-Madgett (WI)	1,220.8	8,904	.45	5.22	134.8	24.00	86.7	8,424	.43	4.85	102.3	17.23
Genoa No.3 (WI)	655.6	10,572	2.63	10.21	131.0	27.70	141.9	8,295	.32	4.93	106.5	17.67
Stoneman (WI)	13.6	12,166	1.08	5.99	143.5	34.92	11.1	11,470	1.14	10.34	135.5	31.08
Dayton Power & Light Co	3,443.9	11,926	1.27	12.93	195.5	46.64	4,709.8	11,791	1.35	13.14	107.4	25.34
Hutchings (OH)	35.5	12,624	.59	8.76	219.4	55.39	277.7	12,255	.82	10.83	140.9	34.54
Stuart (OH)	3,077.8	11,832	1.36	13.35	194.6	46.05	3,029.3	11,348	1.70	14.81	98.3	22.31
Killen (OH)	330.6	12,720	.60	9.41	200.9	51.11	1,402.8	12,655	.69	9.98	118.7	30.05
Deepwater Operating Co	149.0	13,152	.81	7.90	170.3	44.78	7.0	13,188	.81	7.40	170.1	44.87
Deepwater (NJ)	149.0	13,152	.81	7.90	170.3	44.78	7.0	13,188	.81	7.40	170.1	44.87
Delmarva Power & Light Co	1,912.8	12,948	1.11	9.16	184.2	47.71	611.8	12,754	.99	9.08	169.2	43.15
Edgemoor (DE)	531.8	13,233	.80	7.97	194.9	51.58	88.5	12,894	.89	8.64	169.6	43.74
Indian River (DE)	1,381.0	12,839	1.23	9.62	180.0	46.22	523.3	12,730	1.00	9.15	169.1	43.06
Deseret Generation & Tran Coop	1,029.0	10,770	.43	8.46	247.9	53.39	-	-	-	-	-	-
Bonanza (UT)	1,029.0	10,770	.43	8.46	247.9	53.39	-	-	-	-	-	-
Detroit Edison Co	14,929.0	11,258	.64	5.92	181.0	40.75	3,587.0	11,562	.77	6.06	141.0	32.60
Conners Creek (MI)	47.0	12,948	.77	8.09	211.4	54.73	19.0	13,054	.87	6.83	165.4	43.18
Harbor Beach (MI)	106.0	13,153	.75	7.65	215.6	56.72	14.0	13,176	.88	5.95	160.7	42.36
Marysville (MI)	9.0	13,599	.83	5.70	216.3	58.83	-	-	-	-	-	-
Monroe (MI)	5,956.0	12,633	.86	6.70	186.2	47.04	1,752.0	12,805	1.01	7.02	139.1	35.63
River Rouge (MI)	1,030.0	12,231	.79	10.03	218.9	53.56	60.0	12,760	.85	8.54	140.4	35.88
St Clair (MI)	3,532.0	9,663	.43	4.30	159.9	30.90	710.0	9,474	.52	4.51	138.1	26.18
Trenton Channel (MI)	957.0	12,992	.79	8.21	218.6	56.81	407.0	12,944	.82	7.28	152.3	39.43
Belle River (MI)	3,292.0	9,580	.37	4.19	159.1	30.48	625.0	9,348	.31	4.10	139.7	26.12
Duke Power Co	7,377.0	12,544	.95	10.08	183.7	46.09	1,067.0	12,606	1.02	9.51	135.8	34.23
Allen (NC)	627.0	12,632	.98	11.04	179.4	45.33	-	-	-	-	-	-
Buck (NC)	9.0	12,450	.82	9.40	206.6	51.45	99.0	12,459	1.06	10.37	142.9	35.62

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 50. Receipts and Average Cost of Contract and Spot Coal by Company and Plant, 1988 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Duke Power Co												
Cliffside (NC)	402.0	12,750	1.03	8.92	191.9	46.94	225.0	12,616	1.03	10.42	132.5	33.44
Dan River (NC)	18.0	12,549	.63	6.63	178.5	44.80	48.0	12,400	1.07	10.94	139.3	34.56
Marshall (NC)	2,254.0	12,574	.97	10.81	183.0	46.02	237.0	12,678	1.01	8.64	138.6	35.14
Riverbend (NC)	44.0	12,496	.95	9.39	189.3	47.31	59.0	12,788	1.10	9.48	136.0	34.78
Lee (SC)	87.0	12,723	1.10	9.44	209.1	53.21	150.0	12,484	1.00	10.27	145.6	36.35
Belews Creek (NC)	3,936.0	12,488	.92	9.66	183.3	45.79	249.0	12,657	.99	8.45	126.6	32.05
Duquesne Light Co	**1,652.0**	**12,250**	**1.58**	**12.74**	**148.8**	**36.46**	**403.0**	**12,395**	**1.94**	**12.13**	**114.0**	**28.26**
Elrama (PA)	555.0	12,027	1.83	14.38	153.0	36.81	245.0	12,348	2.05	12.29	108.5	26.79
Cheswick (PA)	1,097.0	12,363	1.45	11.91	146.7	36.28	158.0	12,468	1.76	11.86	122.4	30.53
East Kentucky Power Coop	**1,053.0**	**11,954**	**1.57**	**12.13**	**116.3**	**27.80**	**1,840.5**	**12,095**	**.87**	**11.28**	**106.1**	**25.67**
Cooper (KY)	367.0	12,057	1.38	11.48	132.9	32.04	214.0	12,302	1.43	9.38	104.2	25.63
Dale (KY)	–	–	–	–	–	–	278.5	12,191	.74	10.68	104.2	25.39
Spurlock (KY)	686.0	11,899	1.67	12.48	107.3	25.53	1,348.0	12,043	.81	11.71	106.8	25.73
Electric Energy Inc	**1,569.2**	**11,875**	**2.21**	**8.54**	**141.0**	**33.49**	**580.3**	**11,583**	**1.81**	**7.48**	**120.9**	**28.01**
Joppa (IL)	1,569.2	11,875	2.21	8.54	141.0	33.49	580.3	11,583	1.81	7.48	120.9	28.01
Empire District Electric Co	**649.1**	**9,924**	**4.51**	**19.78**	**109.2**	**21.68**	**171.5**	**12,063**	**2.23**	**11.98**	**133.2**	**32.13**
Riverton (KS)	73.3	8,737	.21	4.75	115.1	20.12	93.7	11,881	1.12	11.07	142.0	33.73
Asbury (MO)	575.8	10,075	5.05	21.69	108.6	21.87	77.8	12,282	3.57	13.06	123.0	30.21
Florida Power Corp	**4,730.7**	**12,667**	**.83**	**8.79**	**189.1**	**47.91**	**1,100.9**	**12,820**	**.75**	**7.79**	**164.2**	**42.10**
Crystal River (FL)	4,730.7	12,667	.83	8.79	189.1	47.91	1,100.9	12,820	.75	7.79	164.2	42.10
Fremont City of	**79.0**	**12,308**	**.69**	**7.25**	**179.5**	**44.18**	**47.8**	**8,621**	**.23**	**6.86**	**82.5**	**14.23**
Wright (NE)	79.0	12,308	.69	7.25	179.5	44.18	47.8	8,621	.23	6.86	82.5	14.23
Gainesville City of	**208.9**	**13,402**	**.72**	**5.61**	**168.0**	**45.03**	**389.6**	**13,389**	**.75**	**6.61**	**171.8**	**46.02**
Deerhaven (FL)	208.9	13,402	.72	5.61	168.0	45.03	389.6	13,389	.75	6.61	171.8	46.02
Georgia Power Co	**21,412.7**	**12,133**	**1.76**	**10.18**	**179.6**	**43.58**	**2,852.2**	**12,228**	**1.57**	**10.17**	**139.9**	**34.21**
Arkwright (GA)	179.8	12,593	2.04	10.73	158.9	40.03	–	–	–	–	–	–
Atkinson-Mcdonough (GA)	1,169.6	11,648	2.68	9.58	178.4	41.55	171.0	11,846	2.68	10.10	129.0	30.56
Bowen (GA)	7,824.4	12,241	1.61	10.85	165.2	40.45	237.7	12,107	1.86	10.81	122.0	29.54
Hammond (GA)	1,737.3	12,841	1.78	9.95	166.3	42.70	308.0	12,562	1.79	10.73	141.6	35.57
Harllee Branch (GA)	2,197.7	12,478	1.19	10.38	189.4	47.25	1,510.2	12,101	1.38	10.18	138.9	33.61
Mitchell (GA)	221.5	12,618	1.36	10.14	211.2	53.30	86.7	12,449	1.36	9.51	166.3	41.41
Yates (GA)	1,957.4	11,917	2.09	9.92	182.4	43.46	176.1	12,208	2.04	11.06	141.2	34.48
Wansley (GA)	4,070.0	11,473	2.47	9.01	191.0	43.82	115.3	12,053	2.64	10.39	139.7	33.68
Scherer (GA)	2,054.9	12,455	.66	10.46	210.1	52.34	247.2	12,991	.71	8.36	156.8	40.73
Grand Haven City of	**74.0**	**10,839**	**2.47**	**10.46**	**183.1**	**39.69**	**85.9**	**10,956**	**2.59**	**10.46**	**140.4**	**30.76**
J B Simms (MI)	74.0	10,839	2.47	10.46	183.1	39.69	85.9	10,956	2.59	10.46	140.4	30.76
Grand Island City of	**36.1**	**7,992**	**.40**	**6.76**	**163.5**	**26.13**	**211.2**	**8,514**	**.33**	**4.80**	**66.4**	**11.31**
Platte (NE)	36.1	7,992	.40	6.76	163.5	26.13	211.2	8,514	.33	4.80	66.4	11.31
Grand River Dam Authority	**2,770.2**	**8,468**	**.45**	**5.22**	**101.8**	**17.25**	**28.5**	**12,861**	**3.34**	**8.88**	**117.8**	**30.31**
GRDA No 1 (OK)	2,770.2	8,468	.45	5.22	101.8	17.25	28.5	12,861	3.34	8.88	117.8	30.31
Gulf Power Co	**1,884.3**	**12,152**	**2.62**	**8.67**	**197.6**	**48.02**	**1,870.8**	**12,398**	**2.97**	**9.62**	**123.9**	**30.73**
Crist (FL)	1,455.7	12,146	2.62	8.72	197.3	47.93	1,062.0	12,350	2.99	9.91	120.1	29.67
Scholtz (FL)	–	–	–	–	–	–	301.2	12,506	2.84	8.54	138.7	34.69
Smith (FL)	428.6	12,174	2.60	8.50	198.6	48.35	507.6	12,433	3.01	9.66	123.1	30.61
Gulf States Utilities Co	**2,048.0**	**8,658**	**.51**	**6.28**	**201.4**	**34.87**	–	–	–	–	–	–
Nelson (LA)	2,048.0	8,658	.51	6.28	201.4	34.87	–	–	–	–	–	–
Hamilton City of	**112.6**	**12,527**	**.67**	**8.48**	**138.9**	**34.80**	–	–	–	–	–	–
Hamilton (OH)	112.6	12,527	.67	8.48	138.9	34.80	–	–	–	–	–	–

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 50. Receipts and Average Cost of Contract and Spot Coal by Company and Plant, 1988 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Hastings City of	**-**	**-**	**-**	**-**	**-**	**-**	**198.8**	**8,681**	**0.33**	**5.18**	**90.2**	**15.66**
Hastings (NE)	-	-	-	-	-	-	198.8	8,681	.33	5.18	90.2	15.66
Holland City of	**113.0**	**13,292**	**0.82**	**6.59**	**159.0**	**42.27**	**12.7**	**13,309**	**.88**	**5.05**	**159.0**	**42.32**
James De Young (MI)	113.0	13,292	.82	6.59	159.0	42.27	12.7	13,309	.88	5.05	159.0	42.32
Holyoke Water Power Co	**-**	**-**	**-**	**-**	**-**	**-**	**415.1**	**13,194**	**1.31**	**7.29**	**172.7**	**45.58**
Mount Tom (MA)	-	-	-	-	-	-	415.1	13,194	1.31	7.29	172.7	45.58
Hoosier Energy R E C Inc	**1,533.4**	**11,072**	**3.63**	**11.27**	**128.9**	**28.54**	**837.2**	**11,032**	**3.08**	**11.47**	**85.0**	**18.76**
Frank E Ratts (IN)	437.5	11,047	2.95	9.66	134.2	29.64	-	-	-	-	-	-
Merom (IN)	1,095.9	11,081	3.90	11.91	126.8	28.10	837.2	11,032	3.08	11.47	85.0	18.76
Houston Lighting & Power Co	**13,093.9**	**7,535**	**.70**	**11.41**	**203.6**	**30.68**	**2,376.0**	**7,175**	**.76**	**13.22**	**209.6**	**30.07**
Limestone (TX)	6,129.9	6,441	1.01	17.90	153.3	19.75	1,344.0	6,207	1.04	18.90	165.0	20.49
Parish (TX)	6,964.0	8,499	.42	5.70	237.2	40.31	1,032.0	8,435	.40	5.82	252.2	42.55
Illinois Power Co	**5,966.0**	**11,082**	**2.51**	**9.80**	**148.0**	**32.79**	**355.5**	**12,267**	**.91**	**8.66**	**144.2**	**35.39**
Baldwin (IL)	4,106.0	10,865	2.84	10.27	148.0	32.17	-	-	-	-	-	-
Havana (IL)	293.0	12,618	.68	8.78	145.5	36.72	290.9	12,591	.66	8.31	150.2	37.81
Hennepin (IL)	613.8	10,923	2.75	10.15	154.6	33.78	-	-	-	-	-	-
Vermilion (IL)	371.2	10,726	2.30	11.82	116.2	24.93	64.6	10,812	2.02	10.26	113.2	24.48
Wood River (IL)	581.9	12,229	1.00	5.34	160.3	39.20	-	-	-	-	-	-
Indiana & Michigan Electric Co	**5,205.3**	**9,487**	**1.20**	**6.73**	**164.7**	**31.25**	**84.9**	**11,964**	**.78**	**10.70**	**208.0**	**49.86**
Breed (IN)	660.9	11,014	3.98	11.17	151.2	33.31	-	-	-	-	-	-
Tanners Creek (IN)	1,319.7	11,781	1.90	8.26	176.1	41.49	83.5	11,966	.77	10.78	208.3	49.85
Rockport (IN)	3,224.7	8,235	.35	5.19	161.7	26.64	1.4	13,060	1.27	5.90	192.5	50.28
Indiana-Kentucky Electric Corp	**2,934.0**	**11,477**	**3.29**	**10.58**	**114.1**	**26.19**	**998.0**	**11,739**	**3.42**	**10.96**	**96.0**	**22.55**
Clifty Creek (IN)	2,934.0	11,477	3.29	10.58	114.1	26.19	998.0	11,739	3.42	10.96	96.0	22.55
Indianapolis Power & Light Co	**4,877.0**	**11,173**	**2.10**	**8.10**	**110.8**	**24.76**	**404.0**	**11,275**	**1.51**	**7.97**	**87.7**	**19.77**
Stout (IN)	839.0	11,148	1.83	8.68	135.3	30.17	-	-	-	-	-	-
Pritchard (IN)	342.0	11,261	2.21	7.77	115.1	25.92	3.0	11,422	.98	6.03	113.0	25.82
Petersburg (IN)	3,696.0	11,170	2.15	8.00	104.8	23.42	401.0	11,274	1.51	7.98	87.5	19.73
Interstate Power Co	**1,042.9**	**9,019**	**.94**	**5.82**	**203.3**	**36.66**	**337.6**	**10,962**	**2.60**	**9.88**	**112.4**	**24.65**
Dubuque (IA)	-	-	-	-	-	-	62.0	11,080	2.82	9.19	102.0	22.61
Lansing (IA)	807.2	8,429	.34	4.71	212.6	35.83	18.0	11,022	2.49	8.97	107.2	23.64
Kapp (IA)	235.7	11,039	2.97	9.63	178.9	39.51	185.7	11,039	2.90	9.97	103.3	22.81
Fox Lake (MN)	-	-	-	-	-	-	71.9	10,646	1.68	10.47	147.6	31.43
Iowa Electric Light & Power Co	**650.0**	**11,636**	**2.20**	**7.80**	**137.2**	**31.92**	**145.0**	**10,990**	**2.04**	**9.36**	**145.6**	**32.00**
6th St (IA)	76.0	11,862	2.21	7.65	139.5	33.09	-	-	-	-	-	-
Praire Creek (IA)	475.0	11,706	2.19	7.82	136.2	31.89	-	-	-	-	-	-
Sutherland (IA)	99.0	11,131	2.26	7.81	140.1	31.19	145.0	10,990	2.04	9.36	145.6	32.00
Iowa Power & Light Co	**2,176.1**	**8,461**	**.35**	**4.74**	**110.9**	**18.76**	**654.6**	**8,302**	**.34**	**4.91**	**64.9**	**10.77**
Council Bluffs (IA)	2,176.1	8,461	.35	4.74	110.9	18.76	654.6	8,302	.34	4.91	64.9	10.77
Iowa Public Service Co	**2,967.7**	**9,502**	**.50**	**6.26**	**120.9**	**22.98**	**.2**	**11,300**	**.60**	**4.50**	**221.2**	**50.00**
George Neal 1-4 (IA)	2,967.7	9,502	.50	6.26	120.9	22.98	.2	11,300	.60	4.50	221.2	50.00
Iowa Southern Utilities Co	**2,339.0**	**8,704**	**.62**	**5.94**	**109.1**	**18.99**	**343.4**	**9,423**	**1.19**	**6.87**	**110.6**	**20.88**
Burlington (IA)	274.2	10,987	2.72	9.61	107.3	23.58	126.3	11,167	2.69	9.30	101.1	22.58
Ottumwa (IA)	2,064.8	8,401	.34	5.46	109.4	18.38	217.1	8,409	.32	5.46	118.3	19.89
Iowa-Illinois Gas&Electric Co	**2,490.0**	**8,779**	**.55**	**5.49**	**111.8**	**19.64**	**11.0**	**11,782**	**.72**	**6.00**	**135.3**	**31.88**
Riverside (IA)	292.0	11,822	2.03	7.80	112.2	26.54	11.0	11,782	.72	6.00	135.3	31.88
Louisa (IA)	2,198.0	8,375	.35	5.18	111.8	18.72	-	-	-	-	-	-
Jacksonville Electric Auth	**2,293.6**	**12,324**	**.88**	**9.46**	**167.6**	**41.30**	**575.0**	**12,193**	**.91**	**10.96**	**146.9**	**35.84**
St Johns River (FL)	2,293.6	12,324	.88	9.46	167.6	41.30	575.0	12,193	.91	10.96	146.9	35.84

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 50. Receipts and Average Cost of Contract and Spot Coal by Company and Plant, 1988 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Jamestown City of	**–**	**–**	**–**	**–**	**–**	**–**	**137.3**	**12,764**	**1.61**	**11.12**	**129.4**	**33.03**
Samuel A Carlson (NY)	–	–	–	–	–	–	137.3	12,764	1.61	11.12	129.4	33.03
Kansas City City of	**1,393.8**	**9,645**	**1.24**	**7.50**	**140.7**	**27.14**	**98.9**	**10,041**	**.49**	**6.01**	**114.5**	**22.99**
Kaw (KS)	119.4	11,562	2.56	11.77	166.1	38.41	27.2	10,738	.59	6.55	123.1	26.44
Quindaro (KS)	437.4	11,540	2.56	11.32	178.4	41.19	38.6	10,731	.59	6.57	123.1	26.42
Nearman (KS)	837.0	8,381	.37	4.90	108.6	18.20	33.1	8,662	.28	4.93	93.3	16.16
Kansas City Power & Light Co	**5,496.7**	**8,768**	**.63**	**6.21**	**97.2**	**17.04**	**2,651.1**	**9,279**	**.86**	**6.04**	**100.1**	**18.57**
La Cygne (KS)	2,094.5	8,630	1.13	8.37	112.6	19.43	999.5	10,540	1.75	7.25	108.5	22.88
Hawthorne (MO)	812.7	8,779	.23	4.79	93.8	16.47	507.3	8,664	.31	5.17	77.4	13.41
Montrose (MO)	288.1	8,798	.23	4.78	118.1	20.79	1,133.0	8,450	.32	5.37	101.4	17.14
Iatan (MO)	2,301.4	8,887	.36	4.92	82.2	14.60	11.3	8,471	.35	4.80	71.3	12.08
Kansas Power & Light Co	**9,044.3**	**8,814**	**.42**	**5.22**	**128.3**	**22.61**	**–**	**–**	**–**	**–**	**–**	**–**
Lawrence (KS)	992.4	10,983	.82	8.58	127.8	28.08	–	–	–	–	–	–
Tecumseh (KS)	390.5	10,978	.83	7.71	127.7	28.04	–	–	–	–	–	–
Jeffrey Energy Cnt (KS)	7,661.4	8,423	.35	4.66	128.4	21.63	–	–	–	–	–	–
Kentucky Power Co	**1,158.1**	**11,957**	**1.18**	**12.74**	**144.3**	**34.51**	**613.3**	**12,175**	**1.22**	**11.15**	**99.4**	**24.19**
Big Sandy (KY)	1,158.1	11,957	1.18	12.74	144.3	34.51	613.3	12,175	1.22	11.15	99.4	24.19
Kentucky Utilities Co	**1,515.5**	**12,199**	**1.78**	**8.21**	**186.9**	**45.61**	**4,369.3**	**11,998**	**1.39**	**10.10**	**109.0**	**26.15**
Brown (KY)	–	–	–	–	–	–	1,412.1	11,739	2.14	9.63	101.2	23.76
Ghent (KY)	1,515.5	12,199	1.78	8.21	186.9	45.61	2,436.7	12,139	.78	10.82	115.1	27.95
Green River (KY)	–	–	–	–	–	–	470.1	12,035	2.35	7.62	98.6	23.74
Tyrone (KY)	–	–	–	–	–	–	50.3	12,080	.88	11.20	119.0	28.75
Lakeland City of	**731.2**	**12,296**	**1.65**	**10.95**	**217.6**	**53.52**	**–**	**–**	**–**	**–**	**–**	**–**
Plant 3-Mcintosh (FL)	731.2	12,296	1.65	10.95	217.6	53.52	–	–	–	–	–	–
Lansing City of	**586.5**	**13,094**	**.84**	**6.43**	**212.7**	**55.71**	**342.6**	**12,879**	**.82**	**8.24**	**173.3**	**44.63**
Eckert (MI)	474.7	13,103	.84	6.40	213.3	55.91	222.6	12,868	.83	8.56	170.5	43.89
Erickson (MI)	111.8	13,058	.85	6.58	210.2	54.90	99.3	12,846	.80	8.38	171.0	43.94
Ottawa (MI)	–	–	–	–	–	–	20.7	13,164	.78	4.11	212.4	55.92
Los Angeles City of	**3,769.7**	**11,697**	**.55**	**8.64**	**149.5**	**34.96**	**603.2**	**12,277**	**.62**	**8.78**	**82.2**	**20.19**
Intermountain (UT)	3,769.7	11,697	.55	8.64	149.5	34.96	603.2	12,277	.62	8.78	82.2	20.19
Louisville Gas & Electric Co	**2,748.0**	**11,340**	**3.34**	**11.40**	**138.6**	**31.43**	**781.1**	**11,397**	**3.21**	**10.64**	**99.2**	**22.61**
Cane Run (KY)	658.5	11,196	3.51	12.35	141.7	31.74	91.1	11,412	3.28	10.98	104.6	23.88
Mill Creek (KY)	2,089.5	11,385	3.2[illegible]	11.10	137.6	31.33	690.0	11,395	3.21	10.59	96.5	22.44
Lower Colorado River Authority	**5,375.0**	**8,674**	**.30**	**5.02**	**146.5**	**25.41**	**218.0**	**6,491**	**1.35**	**12.16**	**159.3**	**20.68**
S Seymour-Fayette (TX)	5,375.0	8,674	.30	5.02	146.5	25.41	218.0	6,491	1.35	12.16	159.3	20.68
Madison Gas & Electric Co	**86.0**	**12,163**	**2.11**	**7.73**	**159.4**	**38.77**	**64.0**	**12,166**	**2.05**	**7.56**	**169.2**	**41.16**
Blount (WI)	86.0	12,163	2.11	7.73	159.4	38.77	64.0	12,166	2.05	7.56	169.2	41.16
Manitowoc City of	**–**	**–**	**–**	**–**	**–**	**–**	**101.9**	**13,129**	**.85**	**7.30**	**168.4**	**44.23**
Manitowoc (WI)	–	–	–	–	–	–	101.9	13,129	.85	7.30	168.4	44.23
Marquette City of	**117.3**	**8,899**	**.50**	**6.43**	**189.1**	**33.65**	**–**	**–**	**–**	**–**	**–**	**–**
Shiras (MI)	117.3	8,899	.50	6.43	189.1	33.65	–	–	–	–	–	–
Metropolitan Edison Co	**333.0**	**13,285**	**1.45**	**6.29**	**172.4**	**45.81**	**759.4**	**12,930**	**1.95**	**8.39**	**158.5**	**40.98**
Portland (PA)	–	–	–	–	–	–	648.6	12,928	2.02	8.24	159.1	41.13
Titus (PA)	333.0	13,285	1.45	6.29	172.4	45.81	110.8	12,939	1.53	9.24	154.9	40.08
Michigan South Central Pwr Agy	**110.8**	**11,797**	**3.20**	**10.29**	**203.6**	**48.04**	**–**	**–**	**–**	**–**	**–**	**–**
Project I (MI)	110.8	11,797	3.20	10.29	203.6	48.04	–	–	–	–	–	–
Minnesota Power & Light Co	**3,337.5**	**8,588**	**.80**	**8.99**	**135.8**	**23.32**	**481.2**	**8,632**	**.80**	**8.40**	**109.5**	**18.91**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 50. Receipts and Average Cost of Contract and Spot Coal by Company and Plant, 1988 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Minnesota Power & Light Co												
Aurora-Syl Laskin (MN)	23.2	8,551	0.71	9.13	167.3	28.61	–	–	–	–	–	–
Boswell (MN)	3,314.3	8,588	.81	8.98	135.6	23.29	481.2	8,632	0.80	8.40	109.5	16.91
Minnkota Power Coop Inc	**3,863.2**	**6,707**	**.71**	**7.48**	**48.6**	**6.52**	–	–	–	–	–	–
Young (ND)	3,863.2	6,707	.71	7.48	48.6	6.52	–	–	–	–	–	–
Mississippi Power Co	**2,568.0**	**12,719**	**1.44**	**7.19**	**191.4**	**48.68**	**1,552.6**	**12,628**	**1.56**	**8.08**	**154.9**	**39.11**
Watson (MS)	1,074.4	12,275	2.46	7.69	173.7	42.65	740.3	12,371	2.52	8.03	148.9	36.83
Daniel (MS)	1,493.6	13,038	.71	6.83	203.3	53.02	812.3	12,863	.68	8.12	160.1	41.19
Missouri Public Service Comm	**520.5**	**10,915**	**3.16**	**10.80**	**175.1**	**38.23**	**315.0**	**11,084**	**2.90**	**9.39**	**130.1**	**28.83**
Sibley (MO)	520.5	10,915	3.16	10.80	175.1	38.23	315.0	11,084	2.90	9.39	130.1	28.83
Monongahela Power Co	**8,585.1**	**12,820**	**2.54**	**9.67**	**134.7**	**34.55**	**1,910.3**	**12,362**	**2.05**	**11.83**	**102.7**	**25.38**
Albright (WV)	467.3	12,386	1.70	12.95	111.0	27.50	336.8	12,288	1.57	12.94	88.4	21.73
Ft Martin (WV)	2,237.4	12,460	1.87	11.75	141.0	35.14	241.5	12,218	1.13	12.62	114.2	27.91
Harrison (WV)	3,981.0	13,175	2.95	7.59	137.0	36.10	139.8	13,111	3.34	8.39	103.8	27.21
Rivesville (WV)	–	–	–	–	–	–	240.9	12,329	.91	13.03	110.8	27.31
Willow Island (WV)	269.4	13,066	1.53	7.41	128.2	33.50	238.5	12,756	1.41	7.93	117.8	30.05
Pleasants (WV)	1,630.0	12,531	2.87	11.33	128.2	32.14	712.7	12,178	2.94	12.63	97.2	23.67
Montana Power Co	**10,306.0**	**8,552**	**.67**	**9.46**	**53.7**	**9.19**	–	–	–	–	–	–
Corette (MT)	650.0	8,624	.58	7.93	70.3	12.12	–	–	–	–	–	–
Colstrip (MT)	9,656.0	8,547	.68	9.57	52.6	8.99	–	–	–	–	–	–
Montana-Dakota Utilities Co	**2,394.4**	**6,895**	**.92**	**8.30**	**85.0**	**11.72**	–	–	–	–	–	–
Heskett (ND)	374.3	7,022	.89	8.98	107.4	15.08	–	–	–	–	–	–
Lewis and Clark (MT)	167.8	6,558	.58	8.10	120.1	15.75	–	–	–	–	–	–
Coyote (ND)	1,852.3	6,900	.96	8.18	77.3	10.67	–	–	–	–	–	–
Montaup Electric Co	**387.0**	**13,337**	**1.15**	**6.90**	**171.8**	**45.82**	**77.8**	**13,302**	**1.21**	**6.61**	**168.9**	**44.93**
Somerset (MA)	387.0	13,337	1.15	6.90	171.8	45.82	77.8	13,302	1.21	6.61	168.9	44.93
Muscatine City of	**486.7**	**11,325**	**2.93**	**6.24**	**195.3**	**44.23**	–	–	–	–	–	–
Muscatine (IA)	486.7	11,325	2.93	6.24	195.3	44.23	–	–	–	–	–	–
Nebraska Public Power District	**3,611.0**	**8,813**	**.37**	**5.08**	**97.3**	**17.14**	–	–	–	–	–	–
Sheldon (NE)	553.4	8,442	.42	5.36	99.0	16.72	–	–	–	–	–	–
Gerald Gentleman (NE)	3,057.6	8,880	.36	5.02	97.0	17.22	–	–	–	–	–	–
Nevada Power Co	**1,443.0**	**11,826**	**.56**	**9.17**	**200.4**	**47.40**	–	–	–	–	–	–
Gardner (NV)	1,443.0	11,826	.56	9.17	200.4	47.40	–	–	–	–	–	–
New England Power Co	**3,109.9**	**13,069**	**1.20**	**8.53**	**158.2**	**41.34**	**295.6**	**13,058**	**1.17**	**8.70**	**160.2**	**41.83**
Brayton (MA)	2,311.9	13,081	1.21	8.46	156.8	41.03	242.6	13,021	1.11	8.71	160.3	41.75
Salem Harbor (MA)	798.0	13,036	1.17	8.73	162.1	42.25	53.0	13,226	1.47	8.66	159.4	42.17
New York State Elec & Gas Corp	**1,779.0**	**12,854**	**2.39**	**9.60**	**155.6**	**40.00**	**1,657.2**	**12,061**	**1.70**	**14.70**	**146.7**	**35.40**
Goudey (NY)	106.6	12,296	1.83	12.39	157.0	38.60	201.9	12,405	1.83	12.30	141.3	35.06
Greenidge (NY)	66.2	12,189	1.80	12.60	157.0	38.26	333.6	12,482	1.96	12.27	142.8	35.64
Hickling (NY)	–	–	–	–	–	–	278.4	11,375	1.22	20.04	141.9	32.28
Jennison (NY)	–	–	–	–	–	–	208.0	11,170	1.08	21.59	165.4	36.94
Milliken (NY)	217.5	12,177	1.89	13.36	162.4	39.55	513.2	12,143	1.91	13.38	146.9	35.68
Somerset (NY)	1,388.7	13,035	2.54	8.65	154.4	40.26	122.1	13,081	2.06	6.90	147.4	38.55
Niagara Mohawk Power Corp	**1,462.1**	**13,246**	**1.75**	**6.95**	**154.9**	**41.04**	**1,538.0**	**12,812**	**1.88**	**8.89**	**140.1**	**35.90**
Huntley (NY)	1,193.0	13,281	1.68	6.47	154.4	41.00	474.0	12,819	1.56	9.02	148.9	38.17
Dunkirk (NY)	269.1	13,092	2.09	9.08	157.4	41.21	1,064.0	12,808	2.03	8.84	136.2	34.89
Northern Indiana Pub Serv Co	**3,415.7**	**11,050**	**2.45**	**9.00**	**188.2**	**41.60**	**2,400.8**	**10,844**	**1.16**	**6.48**	**137.6**	**29.85**
Bailly (IN)	582.4	10,965	2.94	9.83	178.1	39.07	489.8	11,607	2.87	8.49	123.3	28.63
Mitchell (IN)	28.9	11,156	.55	5.29	179.1	39.97	1,333.2	10,058	.47	5.59	139.1	27.98

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 50. Receipts and Average Cost of Contract and Spot Coal by Company and Plant, 1988 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Northern Indiana Pub Serv Co												
Michigan City (IN)	821.7	11,045	2.65	8.87	192.4	42.50	206.4	11,399	2.57	9.13	129.2	29.45
Rollin Schahfer (IN)	1,982.7	11,076	2.25	8.86	189.6	41.99	371.4	12,349	.63	5.56	155.5	38.41
Northern States Power Co	**11,337.4**	**8,741**	**.51**	**7.11**	**114.0**	**19.92**	**15.9**	**11,830**	**1.97**	**7.37**	**134.9**	**31.93**
Black Dog (MN)	551.7	8,804	.30	5.35	128.4	22.61	–	–	–	–	–	–
High Bridge (MN)	635.2	8,826	.30	5.31	109.6	19.34	5.8	11,636	2.14	7.50	135.9	31.63
King (MN)	1,297.0	8,798	.31	5.51	122.5	21.56	10.1	11,941	1.88	7.30	134.4	32.10
Riverside (MN)	1,045.8	8,825	.28	5.15	102.4	18.08	–	–	–	–	–	–
Sherburne County (MN)	7,807.7	8,709	.61	7.91	113.4	19.76	–	–	–	–	–	–
Ohio Edison Co	**3,362.3**	**12,431**	**1.65**	**11.03**	**139.8**	**34.77**	**4,754.0**	**11,934**	**2.41**	**11.55**	**108.6**	**25.92**
Edgewater (OH)	–	–	–	–	–	–	241.3	12,053	2.01	10.37	133.9	32.28
Gorge Steam (OH)	–	–	–	–	–	–	118.0	11,941	2.12	10.23	121.8	29.08
Niles (OH)	–	–	–	–	–	–	562.8	11,782	3.21	11.66	106.7	25.14
Burger (OH)	408.4	12,080	2.61	12.03	140.2	33.86	633.8	11,774	3.12	11.22	100.1	23.57
Sammis (OH)	2,927.1	12,486	1.73	10.85	140.0	34.95	2,856.5	12,012	1.99	11.68	109.0	26.19
Toronto (OH)	26.8	11,711	3.96	14.79	122.5	28.70	341.6	11,748	3.56	12.25	100.9	23.71
Ohio Power Co	**12,920.5**	**11,533**	**3.32**	**13.14**	**171.5**	**39.56**	**160.4**	**12,242**	**3.95**	**10.87**	**86.9**	**21.27**
Muskingum (OH)	3,370.2	11,467	4.54	12.04	165.9	38.04	–	–	–	–	–	–
Kammer (WV)	1,550.5	12,023	3.96	13.14	127.6	30.67	160.4	12,242	3.95	10.87	86.9	21.27
Mitchell (WV)	2,699.0	11,916	1.34	16.13	169.3	40.34	–	–	–	–	–	–
Gavin (OH)	5,300.8	11,236	3.36	12.32	190.0	42.71	–	–	–	–	–	–
Ohio Valley Electric Corp	**2,284.0**	**12,167**	**3.83**	**9.91**	**146.4**	**35.63**	**547.0**	**11,113**	**3.40**	**11.80**	**96.7**	**21.49**
Kyger Creek (OH)	2,284.0	12,167	3.83	9.91	146.4	35.63	547.0	11,113	3.40	11.80	96.7	21.49
Oklahoma Gas & Electric Co	**5,098.4**	**8,893**	**.36**	**4.90**	**157.6**	**28.04**	**1,070.0**	**10,691**	**.75**	**6.04**	**151.5**	**32.39**
Muskogee (OK)	2,766.9	8,897	.36	4.91	151.3	26.92	862.8	10,191	.67	5.68	146.4	29.85
Sooner (OK)	2,331.6	8,889	.36	4.89	165.2	29.36	207.2	12,774	1.12	7.54	168.2	42.98
Omaha Public Power District	**2,911.0**	**8,315**	**.35**	**4.83**	**65.5**	**10.90**	**390.4**	**8,433**	**.34**	**4.68**	**64.5**	**10.87**
North Omaha (NE)	1,146.3	8,312	.38	5.06	65.9	10.95	302.9	8,442	.34	4.70	64.5	10.89
Nebraska City (NE)	1,764.7	8,317	.33	4.68	65.3	10.86	87.5	8,404	.34	4.60	64.3	10.81
Orange & Rockland Utils Inc	**415.7**	**13,037**	**.55**	**7.36**	**209.8**	**54.70**	–	–	–	–	–	–
Lovett (NY)	415.7	13,037	.55	7.36	209.8	54.70	–	–	–	–	–	–
Orlando Utilities Comm	**934.6**	**13,271**	**.89**	**6.25**	**186.9**	**49.62**	**18.7**	**11,473**	**3.73**	**12.70**	**167.9**	**38.53**
Stanton Energy (FL)	934.6	13,271	.89	6.25	186.9	49.62	18.7	11,473	3.73	12.70	167.9	38.53
Otter Tail Power Co	**2,052.0**	**6,181**	**.92**	**7.97**	**123.5**	**15.26**	**207.5**	**8,929**	**.55**	**7.11**	**115.2**	**20.58**
Hoot Lake (MN)	37.0	6,974	.82	7.49	175.7	24.51	63.0	9,383	.36	3.80	122.4	22.98
Big Stone (SD)	2,015.0	6,167	.92	7.98	122.4	15.09	144.5	8,731	.63	8.55	111.8	19.53
Owensboro City of	**537.7**	**10,768**	**2.85**	**11.71**	**129.3**	**27.84**	–	–	–	–	–	–
Smith (KY)	537.7	10,768	2.85	11.71	129.3	27.84	–	–	–	–	–	–
Pacific Power & Light Co	**18,253.0**	**8,622**	**.59**	**10.68**	**105.2**	**18.13**	**642.0**	**8,457**	**.43**	**9.51**	**88.2**	**14.92**
Centralia (WA)	5,149.0	8,192	.67	14.10	160.0	26.21	472.0	8,366	.46	11.18	104.2	17.43
Johnston (WY)	3,896.0	7,970	.42	8.64	59.7	9.52	170.0	8,711	.35	4.86	45.7	7.95
Wyodak (WY)	1,903.0	7,950	.63	8.04	53.8	8.56	–	–	–	–	–	–
Jim Bridger (WY)	7,305.0	9,448	.61	10.04	103.3	19.53	–	–	–	–	–	–
Painesville City of	**56.6**	**12,826**	**2.73**	**7.57**	**128.8**	**33.04**	**27.8**	**12,662**	**2.64**	**7.91**	**127.4**	**32.27**
Painesville (OH)	56.6	12,826	2.73	7.57	128.8	33.04	27.8	12,662	2.64	7.91	127.4	32.27
Pennsylvania Electric Co	**11,653.0**	**12,047**	**1.81**	**16.46**	**145.2**	**34.98**	**4,326.0**	**12,306**	**1.80**	**12.97**	**115.8**	**28.51**
Conemaugh (PA)	2,466.0	12,362	2.22	14.90	178.3	44.09	1,597.0	12,423	2.18	13.61	110.9	27.55
Front St (PA)	–	–	–	–	–	–	245.0	12,412	1.85	9.57	131.8	32.71
Homer City (PA)	4,170.0	11,574	1.84	19.82	142.3	32.93	863.0	12,266	1.04	13.08	138.6	34.00
Seward (PA)	16.0	11,870	1.57	14.53	113.3	26.91	486.0	11,971	1.53	13.68	104.2	24.94

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 50. Receipts and Average Cost of Contract and Spot Coal by Company and Plant, 1988 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Pennsylvania Electric Co												
Shawville (PA)	996.0	12,297	2.00	13.43	121.3	29.83	464.0	12,115	2.04	13.36	102.9	24.94
Warren (PA)	–	–	–	–	–	–	229.0	12,239	1.90	11.16	119.7	29.31
Keystone (PA)	4,005.0	12,284	1.49	14.75	133.6	32.81	442.0	12,508	1.85	12.11	104.8	26.22
Pennsylvania Power & Light Co	**7,354.0**	**12,448**	**1.83**	**13.62**	**173.8**	**43.26**	**1,653.0**	**11,259**	**1.37**	**19.99**	**124.1**	**27.95**
Brunner Island (PA)	3,260.0	12,510	1.87	13.21	178.1	44.57	284.0	12,677	1.87	12.32	138.6	35.13
Holtwood (PA)	–	–	–	–	–	–	228.0	8,997	.59	29.43	114.7	20.64
Martins Creek (PA)	553.0	12,615	2.05	12.87	193.6	48.90	7.0	13,160	1.52	7.30	155.7	40.98
Montour (PA)	3,096.0	12,485	1.77	13.64	170.1	42.47	524.0	12,670	1.83	12.85	137.5	34.85
Sunbury (PA)	445.0	11,524	1.63	17.47	139.2	32.09	610.0	10,211	1.02	26.32	104.0	21.24
Pennsylvania Power Co	**5,854.5**	**12,058**	**3.88**	**12.09**	**147.1**	**35.47**	**425.3**	**12,365**	**1.49**	**9.74**	**115.8**	**28.63**
New Castle (PA)	177.1	12,389	1.31	11.32	146.1	36.21	425.3	12,365	1.49	9.74	115.8	28.63
Bruce Mansfield (PA)	5,677.4	12,048	3.96	12.11	147.1	35.45	–	–	–	–	–	–
Philadelphia Electric Co	**729.0**	**13,176**	**1.50**	**7.23**	**157.7**	**41.55**	**342.0**	**13,186**	**1.59**	**7.86**	**155.1**	**40.90**
Cromby (PA)	183.0	13,108	1.56	7.01	157.1	41.18	48.0	13,048	1.39	8.30	153.7	40.12
Eddystone (PA)	546.0	13,198	1.48	7.31	157.9	41.68	294.0	13,208	1.63	7.78	155.3	41.03
Plains Elec Gen&Trans Coop Inc	**858.1**	**9,500**	**.77**	**14.51**	**134.8**	**25.62**	–	–	–	–	–	–
Escalante (NM)	858.1	9,500	.77	14.51	134.8	25.62	–	–	–	–	–	–
Platte River Power Authority	**1,183.0**	**8,833**	**.29**	**5.63**	**70.5**	**12.46**	–	–	–	–	–	–
Rawhide (CO)	1,183.0	8,833	.29	5.63	70.5	12.46	–	–	–	–	–	–
Portland General Electric Co	**213.8**	**8,534**	**.33**	**4.75**	**138.9**	**23.70**	**20.8**	**8,474**	**.29**	**4.53**	**140.0**	**23.73**
Boardman (OR)	213.8	8,534	.33	4.75	138.9	23.70	20.8	8,474	.29	4.53	140.0	23.73
Potomac Edison Co	**115.5**	**13,845**	**1.07**	**6.94**	**137.3**	**38.01**	**104.1**	**12,474**	**.88**	**12.13**	**129.6**	**32.35**
Smith (MD)	115.5	13,845	1.07	6.94	137.3	38.01	104.1	12,474	.88	12.13	129.6	32.35
Potomac Electric Power Co	**4,949.8**	**12,598**	**1.64**	**11.73**	**165.2**	**41.61**	**1,358.9**	**12,675**	**1.30**	**10.15**	**148.7**	**37.69**
Chalk (MD)	1,229.4	12,567	1.78	12.65	168.7	42.40	197.4	12,619	1.73	12.04	160.7	40.57
Dickerson (MD)	910.0	12,568	1.54	10.31	142.3	35.76	624.0	12,624	1.52	10.40	128.3	32.40
Morgantown (MD)	2,393.4	12,570	1.75	12.45	168.9	42.47	85.1	12,685	1.72	11.76	156.1	39.61
Potomac River (VA)	417.0	12,917	.82	7.98	182.6	47.18	452.4	12,769	.72	8.69	169.8	43.37
Public Service Co of Colorado	**6,235.3**	**9,207**	**.36**	**6.03**	**117.8**	**21.69**	**267.0**	**11,131**	**.46**	**9.60**	**99.3**	**22.11**
Araphoe (CO)	298.6	10,769	.40	9.00	122.4	26.37	6.7	11,570	.39	6.48	111.4	25.79
Cameo (CO)	160.3	11,387	.43	8.06	142.1	32.37	24.8	11,674	.50	10.41	87.7	20.47
Cherokee (CO)	1,242.2	10,703	.40	9.16	110.0	23.55	35.5	11,569	.39	6.48	100.9	23.34
Comanche (CO)	2,360.9	8,572	.34	4.73	121.8	20.88	–	–	–	–	–	–
Valmont (CO)	223.0	10,678	.41	8.84	120.2	26.15	200.0	10,971	.48	10.16	100.1	21.97
Pawnee (CO)	1,950.3	8,414	.35	4.65	115.1	19.37	–	–	–	–	–	–
Public Service Co of IN Inc	**9,835.4**	**10,858**	**2.36**	**10.26**	**155.5**	**33.77**	**960.6**	**11,146**	**2.33**	**9.70**	**107.3**	**23.92**
Cayuga (IN)	1,778.0	10,840	2.21	10.71	147.3	31.93	–	–	–	–	–	–
Edwardsport (IN)	–	–	–	–	–	–	103.6	10,763	2.43	11.18	90.9	19.57
Noblesville (IN)	–	–	–	–	–	–	10.4	11,649	1.30	7.00	117.0	27.26
Gallagher (IN)	556.6	11,291	2.49	9.13	143.1	32.31	343.6	11,549	2.29	8.67	114.4	26.42
Wabash River (IN)	749.5	10,905	2.14	10.33	130.7	28.50	330.4	10,851	2.15	10.49	102.8	22.32
Gibson Station (IN)	6,751.3	10,822	2.41	10.23	161.5	34.96	172.6	11,109	2.74	9.54	109.8	24.40
Public Service Co of NH	**251.2**	**13,330**	**2.17**	**7.48**	**198.8**	**53.01**	**1,010.4**	**13,334**	**2.32**	**7.00**	**172.4**	**45.99**
Merrimack (NH)	187.5	13,422	2.50	7.31	195.4	52.47	1,004.8	13,333	2.33	7.02	172.6	46.02
Schiller (NH)	63.7	13,059	1.21	7.98	209.0	54.60	5.6	13,452	1.10	3.10	146.1	39.31
Public Service Co of NM	**4,889.8**	**9,540**	**.74**	**21.32**	**152.6**	**29.11**	–	–	–	–	–	–
San Juan (NM)	4,889.8	9,540	.74	21.32	152.6	29.11	–	–	–	–	–	–
Public Service Co of Oklahoma	**2,694.4**	**8,701**	**.48**	**6.22**	**162.0**	**28.19**	**10.0**	**12,163**	**.52**	**10.74**	**161.2**	**39.20**
Northeastern (OK)	2,694.4	8,701	.48	6.22	162.0	28.19	10.0	12,163	.52	10.74	161.2	39.20

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 50. Receipts and Average Cost of Contract and Spot Coal by Company and Plant, 1988 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Public Service Electric&Gas Co	**1,322.4**	**13,451**	**0.83**	**6.87**	**172.0**	**46.27**	**292.4**	**13,380**	**0.83**	**7.22**	**169.2**	**45.29**
Hudson (NJ)	549.5	13,092	.84	8.34	170.9	44.75	180.9	13,121	.81	7.85	169.6	44.51
Mercer (NJ)	772.9	13,706	.82	5.82	172.7	47.35	111.5	13,798	.87	6.19	168.7	46.55
Richmond City of	**184.5**	**11,321**	**2.86**	**11.78**	**169.4**	**38.35**	**37.0**	**12,039**	**.99**	**10.64**	**126.2**	**30.40**
Whitewater (IN)	184.5	11,321	2.86	11.78	169.4	38.35	37.0	12,039	.99	10.64	126.2	30.40
Rochester City of	**106.7**	**12,148**	**1.55**	**6.90**	**197.0**	**47.86**	-	-	-	-	-	-
Silver Lake (MN)	106.7	12,148	1.55	6.90	197.0	47.86	-	-	-	-	-	-
Rochester Gas & Electric Corp	**543.3**	**13,195**	**1.96**	**7.09**	**166.3**	**43.88**	**80.2**	**12,907**	**1.84**	**7.80**	**161.2**	**41.61**
Rochester 3 (NY)	139.9	13,214	1.98	7.02	166.2	43.94	39.7	12,883	1.89	7.90	162.0	41.73
Rochester 7 (NY)	403.4	13,189	1.95	7.11	166.3	43.86	40.5	12,931	1.80	7.71	160.4	41.48
S Mississippi Elec Pwr Assn	**624.0**	**12,564**	**.92**	**8.41**	**194.8**	**48.94**	**125.7**	**12,479**	**.92**	**8.35**	**229.1**	**57.19**
R D Morrow (MS)	624.0	12,564	.92	8.41	194.8	48.94	125.7	12,479	.92	8.35	229.1	57.19
Salt River Proj Ag I & P Dis	**9,102.6**	**10,916**	**.48**	**9.61**	**123.2**	**26.89**	-	-	-	-	-	-
Navajo (AZ)	7,168.8	11,034	.49	8.46	98.5	21.74	-	-	-	-	-	-
Coronado (AZ)	1,933.8	10,475	.47	13.88	219.5	45.99	-	-	-	-	-	-
San Antonio City of	**3,179.6**	**8,445**	**.36**	**5.43**	**145.5**	**24.57**	-	-	-	-	-	-
J T Deely (TX)	3,179.6	8,445	.36	5.43	145.5	24.57	-	-	-	-	-	-
San Miguel Electric Coop Inc	**3,162.8**	**5,198**	**1.69**	**26.20**	**77.8**	**8.08**	-	-	-	-	-	-
San Miquel (TX)	3,162.8	5,198	1.69	26.20	77.8	8.08	-	-	-	-	-	-
Savannah Electric & Power Co	-	-	-	-	-	-	**870.3**	**12,951**	**.85**	**7.93**	**170.2**	**44.07**
Port Wentworth (GA)	-	-	-	-	-	-	408.7	13,004	.89	8.87	168.6	43.85
McIntosh (GA)	-	-	-	-	-	-	461.6	12,905	.81	7.11	171.5	44.27
Seminole Electric Coop Inc	**1,971.0**	**12,018**	**2.81**	**8.03**	**202.9**	**48.76**	**312.0**	**11,939**	**3.22**	**10.34**	**154.7**	**36.94**
Seminole (FL)	1,971.0	12,018	2.81	8.03	202.9	48.76	312.0	11,939	3.22	10.34	154.7	36.94
Sierra Pacific Power Co	**1,430.0**	**10,589**	**.42**	**8.53**	**188.7**	**39.96**	-	-	-	-	-	-
North Valmy (NV)	1,430.0	10,589	.42	8.53	188.7	39.96	-	-	-	-	-	-
Sikeston City of	**604.1**	**11,413**	**2.53**	**11.32**	**156.2**	**35.66**	-	-	-	-	-	-
Sikeston (MO)	604.1	11,413	2.53	11.32	156.2	35.66	-	-	-	-	-	-
South Carolina Electric&Gas Co	**3,064.3**	**12,915**	**1.20**	**9.19**	**176.4**	**46.08**	**1,309.5**	**12,855**	**1.14**	**8.52**	**156.2**	**40.17**
Canadys (SC)	424.3	12,917	1.19	9.25	173.4	44.81	163.5	13,101	1.39	9.37	148.0	38.77
Mcmeekin (SC)	366.9	13,379	1.48	8.64	163.2	43.68	102.2	13,042	1.16	8.38	159.3	41.56
Urguhart (SC)	106.5	12,984	1.29	8.38	173.9	45.16	285.4	12,906	1.18	8.27	153.3	39.58
Wateree (SC)	1,052.6	12,861	1.24	9.64	175.6	45.16	417.1	12,767	1.23	8.14	157.3	40.16
Williams (SC)	1,114.0	12,806	1.06	8.99	188.7	48.32	341.3	12,747	.86	8.81	160.6	40.93
South Carolina Pub Serv Auth	**2,926.0**	**12,476**	**1.17**	**9.84**	**195.1**	**48.68**	**1,285.0**	**12,397**	**1.16**	**9.84**	**147.5**	**36.58**
Cross (SC)	1,222.6	12,480	1.12	9.71	196.6	49.08	120.5	12,381	1.09	9.89	146.6	36.30
Grainger (SC)	-	-	-	-	-	-	94.5	12,623	1.93	11.01	152.7	38.55
Jefferies (SC)	300.7	12,283	1.59	10.79	192.8	47.37	92.2	12,416	1.50	10.78	147.0	36.51
Winyah (SC)	1,402.6	12,514	1.13	9.75	194.3	48.62	977.8	12,375	1.06	9.63	147.2	36.43
Southern California Edison Co	**5,013.3**	**11,005**	**.50**	**9.94**	**102.2**	**22.49**	-	-	-	-	-	-
Mohave (NV)	5,013.3	11,005	.50	9.94	102.2	22.49	-	-	-	-	-	-
Southern Illinois Power Coop	**264.0**	**11,487**	**4.04**	**17.96**	**86.6**	**19.89**	**436.0**	**9,863**	**2.68**	**19.37**	**73.1**	**14.42**
Marion (IL)	264.0	11,487	4.04	17.96	86.6	19.89	436.0	9,863	2.68	19.37	73.1	14.42
Southern Indiana Gas & Elec Co	**2,240.6**	**11,245**	**3.25**	**8.60**	**145.4**	**32.70**	-	-	-	-	-	-
Culley (IN)	997.0	11,061	2.93	8.61	142.4	31.51	-	-	-	-	-	-
A B Brown (IN)	843.6	11,527	3.58	8.19	162.1	37.37	-	-	-	-	-	-
Warrick (IN)	400.0	11,107	3.37	9.44	116.1	25.79	-	-	-	-	-	-

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 50. Receipts and Average Cost of Contract and Spot Coal by Company and Plant, 1988 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Southwestern Electric Power Co	**9,073.0**	**8,016**	**0.64**	**6.26**	**177.1**	**28.39**	-	-	-	-	-	-
Flint Creek (AR)	1,723.0	8,440	.34	4.69	151.8	25.62	-	-	-	-	-	-
Welsh Station (TX)	4,980.0	8,442	.34	4.67	203.2	34.30	-	-	-	-	-	-
Pirkey (TX)	2,370.0	6,812	1.48	10.76	131.9	17.97	-	-	-	-	-	-
Southwestern Public Service Co	**6,994.0**	**8,785**	**.35**	**5.05**	**171.1**	**30.07**	**918.0**	**8,716**	**0.34**	**5.03**	**107.0**	**18.66**
Harrington (TX)	4,077.0	8,827	.35	5.06	156.8	27.68	36.0	8,782	.34	5.03	104.6	18.37
Tolk (TX)	2,917.0	8,728	.34	5.04	191.4	33.40	882.0	8,714	.34	5.03	107.1	18.67
Springfield City of	**815.1**	**12,135**	**3.52**	**10.37**	**124.2**	**30.15**	-	-	-	-	-	-
James River (MO)	442.4	12,059	3.32	10.11	124.0	29.91	-	-	-	-	-	-
Southwest (MO)	372.7	12,225	3.76	10.67	124.5	30.43	-	-	-	-	-	-
Springfield City of	**895.0**	**10,361**	**2.97**	**9.21**	**162.3**	**33.63**	-	-	-	-	-	-
Dallman (IL)	825.8	10,361	2.97	9.21	162.3	33.63	-	-	-	-	-	-
Lakeside (IL)	69.2	10,359	2.98	9.18	162.1	33.58	-	-	-	-	-	-
St Joseph Light & Power Co	-	-	-	-	-	-	**183.0**	**12,463**	**3.80**	**12.38**	**134.4**	**33.50**
Lakeroad (MO)	-	-	-	-	-	-	183.0	12,463	3.80	12.38	134.4	33.50
Sunflower Electric Coop Inc	**430.1**	**8,346**	**.38**	**5.48**	**109.1**	**18.21**	**570.1**	**8,345**	**.35**	**5.27**	**90.0**	**15.03**
Holcomb (KS)	430.1	8,346	.38	5.48	109.1	18.21	570.1	8,345	.35	5.27	90.0	15.03
Tampa Electric Co	**5,527.4**	**12,319**	**2.04**	**7.60**	**187.7**	**46.26**	**1,221.5**	**12,111**	**2.84**	**8.81**	**123.1**	**29.82**
Big Bend (FL)	4,784.0	12,230	2.18	7.85	179.7	43.96	1,221.5	12,111	2.84	8.81	123.1	29.82
Gannon (FL)	743.4	12,895	1.11	6.00	236.6	61.03	-	-	-	-	-	-
Tennessee Valley Authority	**27,394.2**	**11,778**	**2.48**	**11.19**	**137.3**	**32.34**	**5,379.4**	**12,070**	**2.24**	**10.89**	**105.5**	**25.46**
Colbert (AL)	2,650.5	11,673	2.28	11.54	205.2	47.91	664.8	11,753	1.97	10.73	110.2	25.91
Widows Creek (AL)	1,250.0	12,342	1.82	11.66	133.5	32.95	511.1	12,311	2.07	11.54	114.3	28.15
Paradise (KY)	4,707.0	10,557	4.33	17.46	100.6	21.24	1,211.4	11,803	4.34	15.89	84.0	19.83
Shawnee (KY)	1,428.8	12,477	1.47	9.05	128.1	31.96	591.5	12,367	.73	9.37	121.8	30.12
Allen (TN)	1,234.7	12,116	2.22	8.10	131.7	31.91	329.0	12,468	2.30	8.53	114.7	28.59
Bull Run (TN)	1,716.6	11,661	.86	13.07	199.3	46.47	-	-	-	-	-	-
Cumberland (TN)	5,760.8	11,659	2.82	8.53	126.9	29.59	-	-	-	-	-	-
Gallatin (TN)	2,778.6	12,215	2.79	9.14	146.9	35.90	-	-	-	-	-	-
Sevier (TN)	1,701.1	12,995	1.62	9.17	124.6	32.39	61.3	12,484	1.89	10.90	110.9	27.69
Johnsonville (TN)	1,592.0	11,686	1.72	11.09	124.6	29.13	1,061.4	11,787	1.84	7.40	104.7	24.67
Kingston (TN)	2,574.2	12,422	1.32	10.13	127.1	31.58	948.9	12,471	1.22	9.95	110.8	27.63
Texas Municipal Power Agency	**3,376.2**	**4,672**	**1.13**	**25.39**	**140.9**	**13.17**	**68.7**	**8,450**	**.35**	**5.30**	**139.0**	**23.49**
Gibbons Creek (TX)	3,376.2	4,672	1.13	25.39	140.9	13.17	68.7	8,450	.35	5.30	139.0	23.49
Texas Utilities Electric Co	**29,726.0**	**6,526**	**.73**	**15.02**	**94.4**	**12.31**	-	-	-	-	-	-
Big Brown (TX)	5,847.0	6,810	.66	14.75	83.6	11.39	-	-	-	-	-	-
Martin Lake (TX)	12,462.0	6,747	.88	12.32	98.1	13.24	-	-	-	-	-	-
Monticello (TX)	10,761.0	6,138	.56	17.97	96.5	11.84	-	-	-	-	-	-
Sandow No 4 (TX)	656.0	6,136	1.18	20.26	88.3	10.84	-	-	-	-	-	-
Toledo Edison Co	**1,196.3**	**13,184**	**1.26**	**6.69**	**208.8**	**55.07**	**141.5**	**13,138**	**.66**	**6.92**	**153.0**	**40.20**
Acme (OH)	-	-	-	-	-	-	134.4	13,203	.66	6.90	155.1	40.96
Bay Shore (OH)	1,196.3	13,184	1.26	6.69	208.8	55.07	7.1	11,914	.68	7.20	108.4	25.83
Tucson Electric Power Co	**348.0**	**10,300**	**.45**	**11.67**	**264.8**	**54.54**	-	-	-	-	-	-
Irvington (AZ)	348.0	10,300	.45	11.67	264.8	54.54	-	-	-	-	-	-
Union Electric Co	**10,519.0**	**10,787**	**1.72**	**8.92**	**159.3**	**34.37**	**79.0**	**11,196**	**1.32**	**10.45**	**123.2**	**27.58**
Labadie (MO)	4,801.0	11,291	2.35	9.39	149.6	33.76	-	-	-	-	-	-
Meramec (MO)	553.0	11,758	1.27	6.97	202.4	47.59	79.0	11,196	1.32	10.45	123.2	27.58
Sioux (MO)	2,072.0	10,051	1.52	7.09	166.8	33.54	-	-	-	-	-	-
Rush Island (MO)	3,093.0	10,326	.94	9.77	162.1	33.47	-	-	-	-	-	-
United Illuminating Co	**794.0**	**13,141**	**.52**	**6.28**	**230.7**	**60.64**	**36.0**	**13,083**	**.56**	**6.60**	**181.7**	**47.53**
Bridgeport Harbor (CT)	794.0	13,141	.52	6.28	230.7	60.64	36.0	13,083	.56	6.60	181.7	47.53

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 50. Receipts and Average Cost of Contract and Spot Coal by Company and Plant, 1988 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
United Power Assn	**1,120.1**	**6,698**	**0.65**	**9.37**	**103.2**	**13.83**	**–**	**–**	**–**	**–**	**–**	**–**
Stanton (ND)	1,120.1	6,698	.65	9.37	103.2	13.83	–	–	–	–	–	–
Utah Power & Light Co	**9,428.0**	**10,913**	**.55**	**10.44**	**103.8**	**22.67**	**–**	**–**	**–**	**–**	**–**	**–**
Carbon (UT)	462.0	11,786	.47	5.37	183.7	43.30	–	–	–	–	–	–
Naughton (WY)	2,574.0	9,575	.83	5.82	114.2	21.87	–	–	–	–	–	–
Emery-Hunter (UT)	3,908.0	11,175	.47	13.29	90.3	20.19	–	–	–	–	–	–
Huntington (UT)	2,484.0	11,727	.40	11.68	100.4	23.55	–	–	–	–	–	–
Vineland City of	**84.0**	**12,959**	**.91**	**8.65**	**185.1**	**47.97**	**–**	**–**	**–**	**–**	**–**	**–**
H M Down (NJ)	84.0	12,959	.91	8.65	185.1	47.97	–	–	–	–	–	–
Virginia Electric & Power Co	**5,665.0**	**12,730**	**1.36**	**10.36**	**152.3**	**38.79**	**3,395.0**	**12,441**	**1.25**	**11.35**	**132.2**	**32.89**
Bremo Bluff (VA)	281.0	12,728	.84	9.04	167.7	42.69	106.0	12,650	1.02	10.45	147.4	37.29
Chesterfield (VA)	1,181.0	12,846	.80	8.93	154.1	39.59	1,105.0	12,665	1.03	9.00	147.3	37.31
Chesapeake Energy (VA)	502.0	13,092	1.11	8.41	157.9	41.35	768.0	12,841	1.00	8.88	150.3	38.61
Possum Point (VA)	413.0	12,695	.81	8.32	153.3	38.94	125.0	12,643	.92	9.17	151.1	38.20
Yorktown (VA)	373.0	13,182	1.34	7.10	166.2	43.83	193.0	12,761	1.29	8.74	146.3	37.33
Mount Storm (WV)	2,915.0	12,568	1.75	12.12	147.1	36.98	1,098.0	11,837	1.70	16.23	95.6	22.63
West Penn Power Co	**4,595.6**	**12,651**	**2.31**	**10.33**	**133.7**	**33.83**	**412.8**	**12,294**	**1.89**	**12.29**	**94.3**	**23.18**
Armstrong (PA)	444.7	12,661	1.89	10.17	129.6	32.83	412.8	12,294	1.89	12.29	94.3	23.18
Hatfield (PA)	3,566.3	12,721	2.32	9.97	136.5	34.74	–	–	–	–	–	–
Mitchell (PA)	584.6	12,211	2.59	12.61	119.0	29.06	–	–	–	–	–	–
West Texas Utilities Co	**1,812.6**	**8,325**	**.37**	**4.97**	**177.4**	**29.53**	**240.5**	**8,765**	**.35**	**5.13**	**132.0**	**23.14**
Oklaunion (TX)	1,812.6	8,325	.37	4.97	177.4	29.53	240.5	8,765	.35	5.13	132.0	23.14
Western Farmers Elec Coop Inc	**1,683.6**	**8,818**	**.35**	**5.27**	**169.3**	**29.85**	**–**	**–**	**–**	**–**	**–**	**–**
Hugo (OK)	1,683.6	8,818	.35	5.27	169.3	29.85	–	–	–	–	–	–
Wisconsin Electric Power Co	**8,737.2**	**9,932**	**.75**	**6.26**	**134.6**	**26.73**	**182.3**	**8,626**	**.40**	**5.49**	**90.5**	**15.61**
Presque Isle (MI)	1,522.3	10,607	.65	7.47	159.1	33.74	–	–	–	–	–	–
Oak Creek (WI)	1,951.6	12,264	1.60	7.43	169.3	41.53	10.6	12,081	1.57	5.80	150.1	36.27
Port Washington (WI)	199.4	13,222	1.53	6.24	169.4	44.80	–	–	–	–	–	–
Valley (WI)	301.5	12,642	1.58	10.21	187.7	47.47	–	–	–	–	–	–
Pleasant Prairie (WI)	4,762.4	8,451	.34	5.15	96.8	16.36	171.7	8,412	.33	5.47	85.2	14.34
Wisconsin Power & Light Co	**4,981.0**	**9,447**	**.94**	**7.29**	**163.1**	**30.81**	**703.0**	**9,376**	**.43**	**4.98**	**150.2**	**28.17**
Edgewater (WI)	1,981.6	9,938	1.21	7.18	174.4	34.67	116.4	9,193	.38	5.79	145.3	26.72
Nelson Dewey (WI)	498.5	10,940	1.22	6.51	136.1	29.77	78.4	9,965	.33	4.58	141.3	28.16
Rock River (WI)	87.5	11,257	1.91	8.61	145.1	32.67	157.9	10,317	.67	4.58	161.0	33.21
Columbia (WI)	2,413.5	8,669	.62	7.50	160.2	27.79	350.3	8,881	.36	4.97	148.5	26.36
Wisconsin Public Service Corp	**1,583.0**	**9,957**	**1.18**	**7.15**	**192.7**	**38.38**	**567.0**	**10,488**	**.95**	**5.91**	**152.5**	**32.00**
Pulliam (WI)	492.0	11,053	2.56	10.30	185.5	41.00	189.0	12,892	1.97	7.39	141.8	36.57
Weston (WI)	1,091.0	9,462	.56	5.73	196.6	37.20	378.0	9,286	.44	5.17	160.0	29.71
Wyandotte Municipal Serv Comm	**125.6**	**13,548**	**.66**	**5.58**	**190.0**	**51.48**	**–**	**–**	**–**	**–**	**–**	**–**
Wyandotte (MI)	125.6	13,548	.66	5.58	190.0	51.48	–	–	–	–	–	–
Total	**627,779.1**	**10,268**	**1.29**	**9.87**	**150.3**	**30.66**	**99,996.3**	**11,601**	**1.51**	**9.94**	**126.3**	**29.30**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, 1988

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 Bbls)	(Cents per 10^6 Btu)	($ per Bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Alabama Electric Coop Inc	**1,192.2**	**159.5**	**38.34**	**1.37**	**3.5**	**366.0**	**19.98**	**0.10**	**-**	**-**	**-**	**100**	*****	**-**
Lowman (AL)	1,192.2	159.5	38.34	1.37	3.5	366.0	19.98	.10	-	-	-	100	*	-
Alabama Power Co	**13,626.2**	**208.4**	**51.14**	**1.27**	**103.2**	**365.3**	**20.90**	**.32**	**1,079.8**	**207.1**	**2.15**	**99**	*****	*****
Barry (AL)	664.4	202.7	50.96	.91	3.1	355.6	20.26	.35	663.6	197.2	2.05	96	*	4
Gadsden (AL)	105.5	194.2	49.75	1.87	1.1	390.4	22.29	.24	24.0	321.9	3.30	99	*	1
Gorgas 2 and 3 (AL)	4,917.3	190.2	45.71	1.10	31.0	362.7	20.91	.21	-	-	-	100	*	-
Greene (AL)	1,401.8	187.9	46.94	1.59	6.1	371.7	21.09	.25	-	-	-	100	*	-
Gaston (AL)	3,809.6	199.3	48.94	1.93	28.0	363.8	20.81	.33	-	-	-	100	*	-
James Miller (AL)	2,727.6	264.8	66.27	.57	34.0	368.0	20.95	.41	392.2	216.8	2.24	99	*	1
Alamito Co	**1,249.5**	**185.8**	**35.55**	**.78**	**10.0**	**417.5**	**24.62**	**.13**	**-**	**-**	**-**	**100**	*****	**-**
Springerville (AZ)	1,249.5	185.8	35.55	.78	10.0	417.5	24.62	.13	-	-	-	100	*	-
Alexandria City of	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1,260.6**	**195.7**	**2.01**	**-**	**-**	**100**
Alexandria-Hunter (LA)	-	-	-	-	-	-	-	-	1,260.6	195.7	2.01	-	-	100
Ames City of	**199.5**	**121.8**	**21.45**	**.22**	**2.9**	**341.9**	**20.34**	**.30**	**-**	**-**	**-**	**100**	*****	**-**
Ames (IA)	199.5	121.8	21.45	.22	2.9	341.9	20.34	.30	-	-	-	100	*	-
Appalachian Power Co	**8,957.7**	**161.3**	**40.32**	**.74**	**101.8**	**[2] 409.2**	**23.86**	**.00**	**-**	**-**	**-**	**100**	*****	**-**
Clinch River (VA)	1,234.3	143.5	36.25	.75	9.2	373.7	21.95	.00	-	-	-	100	*	-
Glen Lyn (VA)	307.9	168.4	43.62	.84	25.5	367.7	21.51	.00	-	-	-	98	2	-
Amos (WV)	4,880.4	165.5	41.06	.74	30.3	462.0	27.01	.00	-	-	-	100	*	-
Kanawha River (WV)	535.6	140.9	35.21	.81	4.9	435.8	25.39	.00	-	-	-	100	*	-
Mountaineer (WV)	1,999.5	166.3	41.86	.70	31.9	[2] 398.2	23.05	.00	-	-	-	100	*	-
Arizona Electric Pwr Coop Inc	**609.2**	**170.1**	**40.77**	**.38**	**-**	**-**	**-**	**-**	**2,369.8**	**207.7**	**2.14**	**86**	**-**	**14**
Apache (AZ)	609.2	170.1	40.77	.38	-	-	-	-	2,369.8	207.7	2.14	86	-	14
Arizona Public Service Co	**11,585.8**	**111.7**	**20.17**	**.70**	**14.5**	**424.8**	**24.56**	**.41**	**2,382.8**	**253.7**	**2.60**	**99**	*****	**1**
Cholla (AZ)	2,812.0	158.8	31.84	.46	14.5	424.8	24.56	.41	110.0	341.2	2.99	100	*	*
Ocotillo (AZ)	-	-	-	-	-	-	-	-	558.0	205.5	2.12	-	-	100
Yucca (AZ)	-	-	-	-	-	-	-	-	1,298.0	255.1	2.62	-	-	100
Four Corners (NM)	8,773.8	94.3	16.43	.78	-	-	-	-	416.8	293.6	3.09	100	-	*
Arkansas Power & Light Co	**10,184.1**	**159.7**	**27.79**	**.35**	**215.4**	**430.4**	**26.23**	**.50**	**21,976.4**	**135.0**	**1.39**	**88**	**1**	**11**
Couch (AR)	-	-	-	-	13.4	394.5	24.72	.50	4,479.9	94.5	1.04	-	2	98
Lake Catherine (AR)	-	-	-	-	53.9	389.8	24.56	.50	12,939.7	146.9	1.49	-	3	97
Ritchie (AR)	-	-	-	-	73.8	385.9	24.17	.50	4,556.8	144.5	1.46	-	9	91
Whitebluff (AR)	5,058.7	166.7	28.59	.49	29.0	512.3	29.43	.50	-	-	-	100	*	-
Independence (AR)	5,125.4	152.9	26.99	.21	45.3	521.4	29.99	.50	-	-	-	100	*	-
Associated Electric Coop Inc	**5,026.4**	**134.6**	**28.72**	**3.86**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Madrid (MO)	1,883.9	136.4	29.37	3.25	-	-	-	-	-	-	-	100	-	-
Hill (MO)	3,142.5	133.5	28.33	4.22	-	-	-	-	-	-	-	100	-	-
Atlantic City Electric Co	**622.0**	**170.8**	**44.81**	**2.61**	**963.0**	**237.9**	**15.03**	**.83**	**-**	**-**	**-**	**73**	**27**	**-**
England (NJ)	622.0	170.8	44.81	2.61	963.0	237.9	15.03	.83	-	-	-	73	27	-
Austin City of	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**19,314.3**	**186.1**	**1.91**	**-**	**-**	**100**
Decker Creek (TX)	-	-	-	-	-	-	-	-	14 220.1	186.4	1.91	-	-	100
Holly (TX)	-	-	-	-	-	-	-	-	5,085.3	185.1	1.90	-	-	100
Seaholm (TX)	-	-	-	-	-	-	-	-	9.0	207.5	2.10	-	-	100
Baltimore Gas & Electric Co	**3,195.0**	**158.7**	**40.55**	**1.05**	**1,886.0**	**233.1**	**14.69**	**.97**	**2,306.0**	**278.3**	**2.90**	**85**	**12**	**2**
Brandon Shores (MD)	1,485.0	159.3	40.50	.72	-	-	-	-	-	-	-	100	-	-
Crane (MD)	632.0	156.2	41.58	2.19	-	-	-	-	-	-	-	100	-	-
Gould St (MD)	-	-	-	-	360.0	234.0	14.74	.97	-	-	-	-	100	-
Wagner (MD)	1,078.0	153.4	40.00	.83	704.0	232.6	14.65	.96	1,876.0	264.8	2.76	81	13	6
Riverside (MD)	-	-	-	-	604.0	233.1	14.69	.97	430.0	337.6	3.52	-	89	11
Westport (MD)	-	-	-	-	218.0	233.3	14.72	.97	-	-	-	-	100	-
Bangor Hydro-Electric Co	**-**	**-**	**-**	**-**	**95.0**	**282.3**	**17.83**	**1.11**	**-**	**-**	**-**	**-**	**100**	**-**
Graham (ME)	-	-	-	-	95.0	282.3	17.83	1.11	-	-	-	-	100	-

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, 1988 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 Bbls)	(Cents per 10^6 Btu)	($ per Bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Basin Electric Power Coop	**14,866.6**	**70.8**	**10.61**	**0.52**	**49.3**	**374.5**	**21.69**	**0.34**	–	–	–	**100**	*	–
Leland Olds (ND)	2,392.6	93.3	12.57	.76	4.1	367.2	21.27	.34	–	–	–	100	*	–
Laramie River (WY)	7,127.7	70.4	11.82	.36	38.3	369.5	21.40	.34	–	–	–	100	*	–
Antelope Valley (ND)	5,346.3	61.3	8.12	.64	6.9	406.5	23.54	.34	–	–	–	100	*	–
Big Rivers Electric Corp	**5,019.5**	**122.5**	**27.43**	**3.16**	**20.8**	**366.7**	**21.05**	**.00**	**27.5**	**314.1**	**3.14**	**100**	*	*
Coleman (KY)	1,238.1	118.5	26.78	2.38	.6	354.8	13.63	.00	27.5	314.1	3.14	100	*	*
Reid-Henderson (KY)	988.4	119.2	28.34	2.46	16.0	370.6	21.48	.00	–	–	–	100	*	–
R D Green (KY)	1,467.3	116.3	24.58	3.60	–	–	–	–	–	–	–	100	–	–
Wilson (KY)	1,325.7	135.3	30.50	3.94	4.2	353.3	20.48	.00	–	–	–	100	*	–
Boston Edison Co	–	–	–	–	**11,342.4**	**221.3**	**13.97**	**.95**	**9,013.4**	**221.4**	**2.29**	–	**88**	**12**
Mystic (MA)	–	–	–	–	6,183.9	220.8	13.92	.92	4,409.2	230.9	2.39	–	90	10
New Boston (MA)	–	–	–	–	5,158.5	222.0	14.02	.97	4,604.2	212.2	2.19	–	87	13
Brazos Electric Power Coop Inc	–	–	–	–	–	–	–	–	**12,844.2**	**188.0**	**1.91**	–	–	**100**
North Texas (TX)	–	–	–	–	–	–	–	–	90.5	218.5	2.35	–	–	100
Miller (TX)	–	–	–	–	–	–	–	–	12,753.7	187.7	1.90	–	–	100
Bryan City of	–	–	–	–	**7.1**	**257.3**	**15.96**	**.17**	**4,728.9**	**171.1**	**1.82**	–	**1**	**99**
Bryan (TX)	–	–	–	–	–	–	–	–	1,010.3	174.9	1.92	–	–	100
Dansby (TX)	–	–	–	–	7.1	257.3	15.96	.17	3,718.6	170.0	1.79	–	1	99
Burbank City of	–	–	–	–	**17.0**	**321.4**	**19.81**	**.03**	**3,821.0**	**258.3**	**2.67**	–	**3**	**97**
Magnolia-Olive (CA)	–	–	–	–	17.0	321.4	19.81	.03	3,821.0	258.3	2.67	–	3	97
Cajun Electric Power Coop Inc	**5,129.0**	**142.7**	**24.42**	**.48**	**71.8**	**326.6**	**19.20**	**.00**	**7,268.6**	**182.4**	**1.92**	**92**	*	**8**
Big Cajun No.1 (LA)	–	–	–	–	12.8	307.7	18.09	.00	7,268.6	182.4	1.92	–	1	99
Big Cajun No.2 (LA)	5,129.0	142.7	24.42	.48	59.1	330.7	19.44	.00	–	–	–	100	*	–
Cambridge Electric Light Co	–	–	–	–	**311.0**	**286.0**	**17.96**	**.48**	**1,469.0**	**235.8**	**2.36**	–	**57**	**43**
Kendall Square (MA)	–	–	–	–	311.0	286.0	17.96	.48	1,469.0	235.8	2.36	–	57	43
Canal Electric Co	–	–	–	–	**9,458.0**	**204.4**	**12.87**	**2.07**	–	–	–	–	**100**	–
Canal (MA)	–	–	–	–	9,458.0	204.4	12.87	2.07	–	–	–	–	100	–
Cardinal Operating Co	**3,595.1**	**154.8**	**36.56**	**2.27**	**35.9**	**342.3**	**20.08**	**.00**	–	–	–	**100**	*	–
Cardinal (OH)	3,595.1	154.8	36.56	2.27	35.9	342.3	20.08	.00	–	–	–	100	*	–
Carolina Power & Light Co	**8,768.4**	**177.4**	**44.69**	**.90**	**133.8**	**342.9**	**19.87**	**.20**	–	–	–	**100**	*	–
Asheville (NC)	755.7	133.5	35.39	1.05	8.4	340.4	19.73	.20	–	–	–	100	*	–
Cape Fear (NC)	322.2	194.9	50.17	1.26	.6	353.8	20.51	.20	–	–	–	100	*	–
Lee (NC)	299.9	202.8	52.09	1.19	–	–	–	–	–	–	–	100	–	–
Roxboro (NC)	4,797.4	181.1	45.88	.90	71.7	341.6	19.80	.20	–	–	–	100	*	–
Sutton (NC)	489.9	190.3	48.07	1.06	10.0	333.9	19.36	.20	–	–	–	100	*	–
Weatherspoon (NC)	102.9	172.7	43.84	1.19	.5	321.4	18.63	.20	–	–	–	100	*	–
Robinson (SC)	180.1	184.3	46.60	1.36	13.8	353.4	20.48	.20	–	–	–	98	2	–
Mayo (NC)	1,820.3	175.2	42.20	.63	28.8	345.0	20.00	.20	–	–	–	100	*	–
Cedar Falls City of	**35.2**	**119.6**	**28.72**	**3.37**	–	–	–	–	**5.9**	**312.4**	**3.12**	**99**	–	**1**
Streeter (IA)	35.2	119.6	28.72	3.37	–	–	–	–	5.9	312.4	3.12	99	–	1
Centel Corp	–	–	–	–	–	–	–	–	**2,166.2**	**189.0**	**1.89**	–	–	**100**
Cimarron River (KS)	–	–	–	–	–	–	–	–	796.1	192.4	2.04	–	–	100
Large (KS)	–	–	–	–	–	–	–	–	870.7	185.2	1.77	–	–	100
Mullergren (KS)	–	–	–	–	–	–	–	–	499.3	189.6	1.88	–	–	100
Central Electric Pwr Coop-MO	[1] **135.0**	**116.0**	**25.99**	**2.84**	–	–	–	–	–	–	–	**100**	–	–
Chamois (MO)	[1] 135.0	116.0	25.99	2.84	–	–	–	–	–	–	–	100	–	–
Central Hudson Gas & Elec Corp	**949.5**	**191.1**	**49.99**	**.58**	**9,873.7**	**231.6**	**14.70**	**1.29**	**2,150.4**	**257.0**	**2.66**	**28**	**70**	**2**
Danskammer (NY)	949.5	191.1	49.99	.58	454.0	266.7	16.60	.90	2,150.4	257.0	2.66	83	9	7
Roseton (NY)	–	–	–	–	9,419.7	229.9	14.61	1.30	–	–	–	–	100	–
Central Illinois Light Co	**2,112.0**	**182.5**	**43.57**	**2.03**	**14.7**	**483.9**	**27.94**	**.29**	–	–	–	**100**	*	–

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, 1988 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 Bbls)	(Cents per 10^6 Btu)	($ per Bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Central Illinois Light Co														
Edwards (IL)	1,176.0	170.3	44.49	0.89	7.5	477.5	27.82	0.29	–	–	–	100	*	–
Duck Creek (IL)	936.0	201.5	42.41	3.46	7.1	490.7	28.07	.30	–	–	–	100	*	–
Central Illinois Pub Serv Co	**4,276.8**	**153.7**	**34.07**	**2.85**	**60.4**	**381.0**	**21.92**	**.17**	–	–	–	**100**	*	–
Coffeen (IL)	1,635.7	150.9	31.77	3.74	13.5	388.4	22.32	.18	–	–	–	100	*	–
Grand Tower (IL)	187.5	153.6	36.07	3.25	4.7	373.7	21.75	.18	–	–	–	99	1	–
Hutsonville (IL)	219.9	137.8	31.32	2.65	7.9	369.1	22.19	.12	–	–	–	99	1	–
Meredosia (IL)	596.9	153.0	34.61	2.67	9.8	378.9	21.95	.22	–	–	–	100	*	–
Newton (IL)	1,636.8	158.8	36.30	2.00	24.5	376.7	21.64	.16	–	–	–	100	*	–
Central Iowa Power Coop	**166.7**	**116.4**	**26.41**	**2.80**	–	–	–	–	**6.2**	**284.4**	**2.90**	**100**	–	*
Fair Station (IA)	166.7	116.4	26.41	2.80	–	–	–	–	6.2	284.4	2.90	100	–	*
Central Louisiana Elec Co Inc	**4,900.8**	**148.8**	**22.66**	**.55**	–	–	–	–	**26,223.0**	**202.9**	**2.11**	**73**	–	**27**
Dolet Hills (LA)	2,968.8	125.7	17.44	.56	–	–	–	–	242.0	247.6	2.55	99	–	1
Coughlin (LA)	–	–	–	–	–	–	–	–	8,105.0	203.2	2.16	–	–	100
Teche (LA)	–	–	–	–	–	–	–	–	10,079.0	201.2	2.10	–	–	100
Rodemacher (LA)	1,932.0	177.2	30.68	.53	–	–	–	–	7,797.0	203.3	2.07	81	–	19
Central Maine Power Co	–	–	–	–	**5,024.7**	**234.4**	**14.68**	**.85**	–	–	–	–	**100**	–
Mason (ME)	–	–	–	–	115.5	253.7	16.08	.61	–	–	–	–	100	–
Wyman (ME)	–	–	–	–	4,909.2	234.0	14.65	.85	–	–	–	–	100	–
Central Nebraska Pub P&I Dist	–	–	–	–	**93.8**	**233.8**	**14.73**	**1.10**	**854.3**	**248.9**	**2.34**	–	**42**	**58**
Canaday (NE)	–	–	–	–	93.8	233.8	14.73	1.10	854.3	248.9	2.34	–	42	58
Central Operating Co	**1,102.5**	**166.5**	**41.49**	**.88**	**.5**	**703.9**	**40.77**	**.00**	–	–	–	**100**	*	–
Sporn (WV)	1,102.5	166.5	41.49	.88	.5	703.9	40.77	.00	–	–	–	100	*	–
Central Power & Light Co	**1,912.1**	**207.9**	**44.97**	**.37**	–	–	–	–	**92,926.9**	**220.9**	**2.30**	**30**	–	**70**
Joslin (TX)	–	–	–	–	–	–	–	–	8,118.4	224.0	2.37	–	–	100
Bates (TX)	–	–	–	–	–	–	–	–	6,018.2	220.9	2.28	–	–	100
Laredo (TX)	–	–	–	–	–	–	–	–	6,720.5	223.1	2.42	–	–	100
Hill (TX)	–	–	–	–	–	–	–	–	11,124.0	191.1	2.00	–	–	100
Nueces Bay (TX)	–	–	–	–	–	–	–	–	19,112.8	212.9	2.22	–	–	100
La Palma (TX)	–	–	–	–	–	–	–	–	6,057.9	214.5	2.22	–	–	100
Victoria (TX)	–	–	–	–	–	–	–	–	8,321.9	183.4	1.92	–	–	100
Davis (TX)	–	–	–	–	–	–	–	–	27,453.2	250.1	2.58	–	–	100
Coleto Creek (TX)	1,912.1	207.9	44.97	.37	–	–	–	–	–	–	–	100	–	–
Cincinnati Gas & Electric Co	**6,523.3**	**145.6**	**33.56**	**1.80**	**78.2**	**359.7**	**20.82**	**.40**	–	–	–	**100**	*	–
Beckjord (OH)	1,718.3	157.2	35.49	1.82	31.7	360.1	20.89	.44	–	–	–	100	*	–
Miami Fort (OH)	3,035.2	149.2	35.11	1.66	39.5	355.9	20.58	.37	–	–	–	100	*	–
East Bend (KY)	1,769.8	128.1	29.02	2.03	7.0	379.9	21.84	.37	–	–	–	100	*	–
Cleveland Electric Illum Co	**5,081.0**	**155.7**	**38.99**	**2.67**	**468.0**	**274.1**	**17.21**	**1.14**	–	–	–	**98**	**2**	–
Ashtabula (OH)	992.0	160.5	39.94	3.09	14.0	432.1	24.89	.29	–	–	–	100	*	–
Avon Lake (OH)	1,570.0	146.5	36.41	2.54	30.0	438.9	25.38	.32	–	–	–	100	*	–
Eastlake (OH)	2,090.0	155.8	38.94	2.97	34.0	417.4	24.14	.30	–	–	–	100	*	–
Lake Shore (OH)	429.0	177.3	46.42	.64	390.0	246.1	15.70	1.31	–	–	–	82	18	–
Coffeyville City of	–	–	–	–	–	–	–	–	**522.4**	**245.5**	**2.46**	–	–	**100**
Coffeyville (KS)	–	–	–	–	–	–	–	–	522.4	245.5	2.46	–	–	100
Colorado Springs City of	**1,206.9**	**167.7**	**35.48**	**.37**	**.6**	**318.2**	**19.40**	**.50**	**500.1**	[2] **285.1**	**2.78**	**98**	*	**2**
Drake (CO)	517.7	174.1	36.97	.36	.1	366.0	20.35	.08	59.9	[2] 387.8	3.80	99	*	1
Birdsall (CO)	–	–	–	–	.5	309.6	19.21	.58	440.2	[2] 271.0	2.64	–	1	99
Nixon (CO)	689.2	162.9	34.35	.37	–	–	–	–	–	–	–	100	–	–
Colorado Ute Electric Assn Inc	**6,056.8**	**90.3**	**18.62**	**.40**	**33.9**	**308.7**	**12.48**	**.03**	**215.3**	**263.5**	**2.77**	**100**	*	*
Hayden (CO)	1,454.2	76.9	16.43	.44	3.5	350.9	20.20	.31	27.1	265.2	2.78	100	*	*
Nucla (CO)	171.1	108.3	21.22	.84	30.4	301.5	11.58	.00	–	–	–	97	3	–
Craig (CO)	4,431.5	94.2	19.25	.37	–	–	–	–	188.2	263.3	2.76	100	–	*

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, 1988 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10⁶ Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 Bbls)	(Cents per 10⁶ Btu)	($ per Bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10⁶ Btu)	($ per Mcf)	Coal	Petroleum	Gas
Columbia City of	**58.2**	**154.3**	**33.46**	**3.81**	–	–	–	–	–	–	–	100	–	–
Columbia (MO)	58.2	154.3	33.46	3.81	–	–	–	–	–	–	–	100	–	–
Columbus & Southern Ohio El Co	**3,213.8**	**159.0**	**37.67**	**2.99**	**25.6**	**366.1**	**21.46**	**0.00**	–	–	–	100	*	–
Conesville (OH)	3,033.7	161.5	38.30	3.01	24.6	366.2	21.47	.00	–	–	–	100	*	–
Picway (OH)	180.1	116.7	27.12	2.50	1.0	362.7	21.38	.00	–	–	–	100	*	–
Columbus City of	**58.2**	**153.5**	**38.02**	**.69**	–	–	–	–	–	–	–	100	–	–
Refuse & Coal (OH)	58.2	153.5	38.02	.69	–	–	–	–	–	–	–	100	–	–
Commonwealth Edison Co	**10,931.7**	[3] **264.8**	**51.24**	**.92**	**1,554.6**	**310.0**	**19.35**	**.60**	**3,563.9**	**341.6**	**3.49**	**94**	**4**	**2**
Crawford (IL)	714.5	309.5	59.15	.41	5.0	339.1	19.73	.25	1,114.0	358.3	3.67	92	*	8
Joliet (IL)	2,037.0	285.8	54.46	.41	43.8	362.9	21.11	.26	1,587.0	292.7	2.98	95	1	4
Kincaid (IL)	1,892.0	[3] 167.5	34.55	3.37	–	–	–	–	52.0	340.6	3.47	100	–	*
Powerton (IL)	3,018.0	272.6	51.87	.42	–	–	–	–	119.0	437.6	4.38	100	–	*
Waukegan (IL)	903.0	272.4	52.18	.40	24.6	372.7	21.69	.26	87.9	308.8	3.15	99	1	1
Will County (IL)	1,699.2	309.4	59.12	.41	189.0	372.5	21.69	.26	–	–	–	97	3	–
Fisk (IL)	202.0	312.2	59.92	.42	.2	362.0	21.03	.26	358.0	449.1	4.61	91	*	9
State Line (IN)	466.0	283.8	54.34	.39	–	–	–	–	246.0	389.4	3.99	97	–	3
Collins (IL)	–	–	–	–	1,292.0	298.7	18.90	.67	–	–	–	–	100	–
Commonwealth Electric Co	–	–	–	–	**290.0**	**250.1**	**15.91**	**.97**	**798.0**	**227.1**	**2.27**	–	**70**	**30**
Cannon (MA)	–	–	–	–	290.0	250.1	15.91	.97	798.0	227.1	2.27	–	70	30
Community Public Service Co	–	–	–	–	–	–	–	–	**2.0**	**289.9**	**2.99**	–	–	**100**
Lordsburg (NM)	–	–	–	–	–	–	–	–	2.0	289.9	2.99	–	–	100
Connecticut Light & Power Co	–	–	–	–	**12,047.1**	**245.0**	**15.41**	**.82**	**1,214.0**	**216.1**	**2.23**	–	**98**	**2**
Devon (CT)	–	–	–	–	2,423.8	236.3	14.92	.99	–	–	–	–	100	–
Montville (CT)	–	–	–	–	2,031.5	240.6	15.11	1.02	1,214.0	216.1	2.23	–	91	9
Norwalk Harbor (CT)	–	–	–	–	3,145.9	232.6	14.68	1.01	–	–	–	–	100	–
Middletown (CT)	–	–	–	–	4,445.9	260.6	16.33	.50	–	–	–	–	100	–
Consolidated Edison Co-NY Inc	–	–	–	–	**21,148.8**	**259.2**	**16.10**	**.26**	**69,925.0**	**225.0**	**2.32**	–	**65**	**35**
East River (NY)	–	–	–	–	–	–	–	–	6,230.0	217.7	2.24	–	–	100
Hudson Avenue (NY)	–	–	–	–	4,551.6	268.0	16.64	.26	–	–	–	–	100	–
Ravenswood (NY)	–	–	–	–	–	–	–	–	33,607.0	227.8	2.35	–	–	100
Waterside (NY)	–	–	–	–	–	–	–	–	5,935.0	231.2	2.38	–	–	100
59th St (NY)	–	–	–	–	110.7	278.1	17.20	.24	–	–	–	–	100	–
Astoria (NY)	–	–	–	–	4,075.3	261.7	16.19	.26	24,153.0	221.6	2.28	–	50	50
Storage Facility #6	–	–	–	–	1,080.9	267.9	16.60	.27	–	–	–	–	100	–
Storage Facility #5	–	–	–	–	5,551.2	247.0	15.34	.26	–	–	–	–	100	–
Storage Facility #4	–	–	–	–	4,573.3	260.1	16.21	.27	–	–	–	–	100	–
Storage Facility #3	–	–	–	–	1,205.8	260.8	16.18	.26	–	–	–	–	100	–
Consumers Power Co	**6,737.3**	**181.9**	**45.29**	**.77**	**961.0**	**253.6**	**15.71**	**.98**	–	–	–	**97**	**3**	–
Cobb (MI)	811.1	183.9	45.64	.85	–	–	–	–	–	–	–	100	–	–
Karn-Weadock (MI)	773.9	178.9	44.93	.83	961.0	253.6	15.71	.98	–	–	–	77	23	–
Campbell (MI)	3,610.6	183.0	45.36	.73	–	–	–	–	–	–	–	100	–	–
Weadock (MI)	658.3	195.3	48.80	.84	–	–	–	–	–	–	–	100	–	–
Whiting (MI)	883.4	168.1	42.35	.80	–	–	–	–	–	–	–	100	–	–
Coop Power Assn	**6,765.1**	**72.2**	**9.10**	**.64**	**3.5**	**193.2**	**11.93**	**2.50**	–	–	–	**100**	*	–
Coal Creek (ND)	6,765.1	72.2	9.10	.64	3.5	193.2	11.93	2.50	–	–	–	100	*	–
Dairyland Power Coop	**2,129.7**	**130.7**	**24.55**	**1.12**	**15.3**	**357.7**	**21.03**	**.50**	–	–	–	**100**	*	–
Alma-Madgett (WI)	1,307.5	132.7	23.55	.45	8.1	360.0	21.17	.50	–	–	–	100	*	–
Genoa No.3 (WI)	797.5	127.5	25.92	2.22	5.2	355.2	20.89	.50	–	–	–	100	*	–
Stoneman (WI)	24.7	140.0	33.20	1.11	2.0	355.1	20.88	.50	–	–	–	98	2	–
Dayton Power & Light Co	**8,153.7**	**144.9**	**34.33**	**1.32**	**78.1**	**363.9**	**20.93**	**.28**	**261.8**	**388.9**	**3.97**	**100**	*	*
Hutchings (OH)	313.2	150.1	36.91	.80	–	–	–	–	261.8	388.9	3.97	97	–	3
Stuart (OH)	6,107.1	147.8	34.28	1.53	12.8	378.4	21.78	.35	–	–	–	100	*	–
Killen (OH)	1,733.4	134.5	34.07	.67	65.3	361.0	20.76	.27	–	–	–	99	1	–

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, 1988 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 Bbls)	(Cents per 10^6 Btu)	($ per Bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Deepwater Operating Co	**156.0**	**170.3**	**44.79**	**0.81**	**361.0**	**235.4**	**14.79**	**0.92**	**86.0**	**245.8**	**2.54**	**64**	**35**	**1**
Deepwater (NJ)	156.0	170.3	44.79	.81	361.0	235.4	14.79	.92	86.0	245.8	2.54	64	35	1
Delmarva Power & Light Co	**2,524.6**	**180.6**	**46.60**	**1.08**	**4,190.7**	**230.7**	**14.60**	**1.10**	**819.1**	**240.9**	**2.64**	**70**	**29**	**1**
Delaware City (DE)	-	-	-	-	84.9	233.5	14.74	.88	819.1	240.9	2.64	-	37	63
Edgemoor (DE)	620.3	191.4	50.46	.82	3,053.9	228.9	14.54	.90	-	-	-	46	54	-
Indian River (DE)	1,904.3	177.0	45.35	1.17	111.6	364.6	20.32	.25	-	-	-	99	1	-
Vienna (MD)	-	-	-	-	940.2	222.6	14.10	1.86	-	-	-	-	100	-
Denton City of	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1,093.5**	**226.5**	**2.41**	**-**	**-**	**100**
Spencer (TX)	-	-	-	-	-	-	-	-	1,093.5	226.5	2.41	-	-	100
Deseret Generation & Tran Coop	**1,029.0**	**247.9**	**53.39**	**.43**	**2.0**	**397.1**	**23.52**	**.00**	**-**	**-**	**-**	**100**	*****	**-**
Bonanza (UT)	1,029.0	247.9	53.39	.43	2.0	397.1	23.52	.00	-	-	-	100	*	-
Detroit City of	**-**	**-**	**-**	**-**	**497.3**	**288.8**	**17.91**	**.66**	**21.7**	**270.2**	**2.75**	**-**	**99**	**1**
Mistersky (MI)	-	-	-	-	497.3	288.8	17.91	.66	21.7	270.2	2.75	-	99	1
Detroit Edison Co	**18,516.0**	**173.1**	**39.17**	**.66**	**911.4**	**300.1**	**18.06**	**.52**	**12,746.1**	**231.2**	**.31**	**98**	**1**	*****
Conners Creek (MI)	66.0	198.0	51.41	.79	-	-	-	-	275.0	295.7	3.03	86	-	14
Harbor Beach (MI)	120.0	209.2	55.05	.77	7.0	369.7	21.31	.39	-	-	-	99	1	-
Marysville (MI)	9.0	216.3	58.83	.63	-	-	-	-	49.0	369.2	3.74	83	-	17
Monroe (MI)	7,708.0	175.4	44.45	.90	107.1	367.9	21.22	.29	-	-	-	100	*	-
River Rouge (MI)	1,090.0	214.4	52.58	.80	1.1	340.8	19.70	.27	12,331.2	202.6	.21	95	*	5
St Clair (MI)	4,242.0	156.3	30.11	.44	211.7	339.2	20.04	.40	90.9	361.6	3.70	98	2	*
Trenton Channel (MI)	1,364.0	198.9	51.63	.80	37.3	367.3	21.19	.25	-	-	-	99	1	-
Belle River (MI)	3,917.0	156.0	29.78	.36	28.9	372.6	21.54	.28	-	-	-	100	*	-
Greenwood (MI)	-	-	-	-	518.3	262.4	16.13	.65	-	-	-	-	100	-
Dover City of	**-**	**-**	**-**	**-**	**766.0**	**228.1**	**14.57**	**2.07**	**485.2**	**244.3**	**2.52**	**-**	**91**	**9**
Mckee Run (DE)	-	-	-	-	766.0	228.1	14.57	2.07	485.2	244.3	2.52	-	91	9
Duke Power Co	**8,444.0**	**177.6**	**44.59**	**.96**	**117.0**	**355.3**	**20.70**	**.30**	**33.0**	**353.4**	**3.64**	**100**	*****	*****
Allen (NC)	627.0	179.4	45.33	.98	25.0	349.0	20.36	.30	-	-	-	99	1	-
Buck (NC)	108.0	148.2	36.94	1.04	-	-	-	-	-	-	-	100	-	-
Cliffside (NC)	627.0	170.8	43.38	1.03	14.0	369.7	21.59	.30	-	-	-	99	1	-
Dan River (NC)	66.0	150.1	37.35	.95	-	-	-	-	-	-	-	100	-	-
Marshall (NC)	2,491.0	178.7	44.99	.98	45.0	359.6	20.93	.30	-	-	-	100	*	-
Riverbend (NC)	103.0	158.5	40.14	1.04	-	-	-	-	-	-	-	100	-	-
Lee (SC)	237.0	169.2	42.54	1.03	8.0	347.4	20.32	.30	33.0	353.4	3.64	99	1	1
Belews Creek (NC)	4,185.0	179.9	44.97	.92	25.0	348.3	20.27	.30	-	-	-	100	*	-
Duquesne Light Co	**2,055.0**	**141.9**	**34.85**	**1.65**	**34.0**	**388.1**	**22.33**	**.23**	**340.0**	**316.2**	**3.29**	**99**	*****	**1**
Elrama (PA)	800.0	139.1	33.74	1.90	22.0	383.1	22.01	.20	-	-	-	99	1	-
Phillips (PA)	-	-	-	-	3.0	408.2	23.49	.41	-	-	-	-	100	-
Cheswick (PA)	1,255.0	143.6	35.55	1.49	9.0	393.6	22.70	.23	340.0	316.2	3.29	99	*	1
East Kentucky Power Coop	**2,893.5**	**109.8**	**26.44**	**1.13**	**9.7**	**360.1**	**20.96**	**.13**	**-**	**-**	**-**	**100**	*****	**-**
Cooper (KY)	581.0	122.2	29.68	1.40	1.6	384.9	22.41	.20	-	-	-	100	*	-
Dale (KY)	278.5	104.2	25.39	.74	1.9	362.9	21.13	.12	-	-	-	100	*	-
Spurlock (KY)	2,034.0	107.0	25.66	1.10	6.2	352.7	20.53	.12	-	-	-	100	*	-
El Paso Electric Co	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**14,437.1**	**199.7**	**2.05**	**-**	**-**	**100**
Rio Grande (TX)	-	-	-	-	-	-	-	-	5,806.0	197.4	2.03	-	-	100
Newman (TX)	-	-	-	-	-	-	-	-	8,631.1	201.1	2.07	-	-	100
Electric Energy Inc	**2,149.5**	**135.7**	**32.01**	**2.10**	**5.9**	**469.9**	**27.50**	**.25**	**-**	**-**	**-**	**100**	*****	**-**
Joppa (IL)	2,149.5	135.7	32.01	2.10	5.9	469.9	27.50	.25	-	-	-	100	*	-
Empire District Electric Co	**820.6**	**115.0**	**23.86**	**4.03**	**24.3**	**373.2**	**22.33**	**.00**	**60.4**	**344.7**	**3.53**	**99**	**1**	*****
Riverton (KS)	167.0	132.2	27.76	.72	1.6	336.6	20.22	.00	60.4	344.7	3.53	98	*	2
Asbury (MO)	653.6	110.6	22.87	4.88	2.6	353.1	21.21	.00	-	-	-	100	*	-
Storage Facility #1	-	-	-	-	20.1	378.6	22.64	.00	-	-	-	-	100	-
Florida Power & Light Co	**-**	**-**	**-**	**-**	**25,727.7**	**225.7**	**14.36**	**.95**	**95,322.0**	**204.6**	**2.05**	**-**	**63**	**37**

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, 1988 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10⁶ Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 Bbls)	(Cents per 10⁶ Btu)	($ per Bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10⁶ Btu)	($ per Mcf)	Coal	Petroleum	Gas
Florida Power & Light Co														
Cape Canaveral (FL)	–	–	–	–	1,822.0	227.4	14.41	0.97	22,608.0	204.0	2.04	–	34	66
Cutler (FL)	–	–	–	–	–	–	–	–	943.0	205.8	2.06	–	–	100
Fort Myers (FL)	–	–	–	–	3,412.0	223.8	14.26	.98	–	–	–	–	100	–
Lauderdale (FL)	–	–	–	–	–	–	–	–	3,175.0	201.8	2.02	–	–	100
Port Everglades (FL)	–	–	–	–	5,041.0	220.2	13.96	1.06	19,825.0	207.6	2.08	–	62	38
Riviera (FL)	–	–	–	–	1,218.0	212.3	13.55	.98	13,230.0	205.6	2.06	–	37	63
Sanford (FL)	–	–	–	–	1,019.0	236.7	15.11	.99	1,169.0	202.2	2.02	–	85	15
Turkey Point (FL)	–	–	–	–	2,832.7	237.2	15.13	.98	14,511.0	202.7	2.03	–	55	45
Manatee (FL)	–	–	–	–	7,120.0	218.4	13.89	.96	–	–	–	–	100	–
Martin (FL)	–	–	–	–	3,263.0	242.8	15.47	.68	19,861.0	203.8	2.04	–	51	49
Florida Power Corp	**5,831.6**	**184.4**	**46.81**	**0.81**	**7,513.7**	**214.6**	**13.60**	**1.46**	**2,482.8**	**213.7**	**2.19**	**75**	**24**	**1**
Crystal River (FL)	5,831.6	184.4	46.81	.81	155.8	356.3	20.99	.14	–	–	–	99	1	–
Turner (FL)	–	–	–	–	343.9	225.5	14.26	2.02	331.0	223.5	2.29	–	87	13
Higgins (FL)	–	–	–	–	280.8	201.7	12.81	2.11	18.1	214.2	2.19	–	99	1
Bartow (FL)	–	–	–	–	1.7	342.7	20.21	.15	312.4	316.6	3.24	–	3	97
Suwannee (FL)	–	–	–	–	233.5	238.1	15.12	1.56	1,821.3	194.4	1.99	–	44	56
Anclcte (FL)	–	–	–	–	70.7	348.8	20.53	.15	–	–	–	–	100	–
Storage Facility #1	–	–	–	–	6,427.2	209.2	13.29	1.44	–	–	–	–	100	–
Fort Pierre City of	**–**	**–**	**–**	**–**	**8.0**	**319.7**	**19.01**	**.38**	**1,313.2**	**235.7**	**2.41**	**–**	**3**	**97**
H D King (FL)	–	–	–	–	8.0	319.7	19.01	.38	1,313.2	235.7	2.41	–	3	97
Fremont City of	**126.8**	**150.6**	**32.89**	**.52**	**1.3**	**275.1**	**10.57**	**.00**	**121.2**	**185.3**	**1.85**	**96**	*****	**4**
Wright (NE)	126.8	150.6	32.89	.52	1.3	275.1	10.57	.00	121.2	185.3	1.85	96	*	4
Gainesville City of	**598.5**	**170.5**	**45.67**	**.74**	**1.4**	**272.4**	**17.02**	**1.57**	**2,567.1**	**236.4**	**2.42**	**86**	*****	**14**
Deerhaven (FL)	598.5	170.5	45.67	.74	–	–	–	–	1,096.8	236.6	2.42	89	–	11
Jr Kelly (FL)	–	–	–	–	1.4	272.4	17.02	1.57	570.3	235.7	2.42	–	1	99
Garland City of	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**6,411.0**	**175.6**	**1.81**	**–**	**–**	**100**
Newman (TX)	–	–	–	–	–	–	–	–	121.0	197.8	2.04	–	–	100
Olinger (TX)	–	–	–	–	–	–	–	–	6,290.0	175.2	1.80	–	–	100
Georgia Power Co	**24,264.9**	**174.9**	**42.48**	**1.74**	**303.0**	**294.3**	**17.53**	**.38**	**147.4**	**340.3**	**3.50**	**100**	*****	*****
Arkwright (GA)	179.8	158.9	40.03	2.04	–	–	–	–	38.8	341.4	3.50	99	–	1
Atkinson-Mcdonough (GA)	1,340.6	172.0	40.15	2.68	–	–	–	–	108.6	339.9	3.49	100	–	*
Bowen (GA)	8,062.1	163.9	40.12	1.62	34.1	341.4	19.79	.50	–	–	–	100	*	–
Hammond (GA)	2,045.3	162.6	41.63	1.78	11.0	340.1	19.71	.50	–	–	–	100	*	–
Harllee Branch (GA)	3,707.9	169.2	41.70	1.26	11.5	350.6	20.32	.50	–	–	–	100	*	–
Mcmanus (GA)	–	–	–	–	105.5	217.6	13.61	.16	–	–	–	–	100	–
Mitchell (GA)	308.2	198.7	49.95	1.36	32.4	324.4	18.80	.50	–	–	–	98	2	–
Yates (GA)	2,133.5	178.9	42.72	2.09	25.0	342.6	19.86	.50	–	–	–	100	*	–
Wansley (GA)	4,185.3	189.5	43.55	2.48	15.1	351.3	20.36	.50	–	–	–	100	*	–
Scherer (GA)	2,302.1	204.2	51.10	.66	68.3	237.3	19.55	.50	–	–	–	99	1	–
Glendale City of	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**1,961.7**	**253.9**	**2.65**	**–**	**–**	**100**
Glendale (CA)	–	–	–	–	–	–	–	–	1,961.7	253.9	2.65	–	–	100
Grand Haven City of	**159.9**	**160.0**	**34.89**	**2.53**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**100**	**–**	**–**
J B Simms (MI)	159.9	160.0	34.89	2.53	–	–	–	–	–	–	–	100	–	–
Grand Island City of	**247.3**	**79.8**	**13.47**	**.34**	**1.2**	**355.4**	**20.90**	**.50**	**50.8**	**335.6**	**3.15**	**99**	*****	**1**
Platte (NE)	247.3	79.8	13.47	.34	1.2	355.4	20.90	.50	–	–	–	100	*	–
Burdick (NE)	–	–	–	–	–	–	–	–	50.8	335.6	3.15	–	–	100
Grand River Dam Authority	**2,798.8**	**102.1**	**17.38**	**.48**	**37.0**	**341.5**	**19.74**	**.45**	**14.1**	**[2] 441.5**	**4.49**	**100**	*****	*****
GRDA No 1 (OK)	2,798.8	102.1	17.38	.48	37.0	341.5	19.74	.45	14.1	[2] 441.5	4.49	100	*	*
Greenville City of	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**1,739.0**	**190.9**	**2.05**	**–**	**–**	**100**
Greenville (TX)	–	–	–	–	–	–	–	–	1,739.0	190.9	2.05	–	–	100
Gulf Power Co	**3,755.1**	**160.5**	**39.41**	**2.80**	**22.2**	**347.5**	**19.99**	**.45**	**738.5**	**137.3**	**1.38**	**99**	*****	**1**
Crist (FL)	2,517.7	164.4	40.23	2.78	6.1	354.1	20.37	.45	738.5	137.9	1.38	99	*	1

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, 1988 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10⁶ Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 Bbls)	(Cents per 10⁶ Btu)	($ per Bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10⁶ Btu)	($ per Mcf)	Coal	Petroleum	Gas
Gulf Power Co														
Scholtz (FL)	301.2	138.7	34.69	2.84	1.0	359.3	20.67	0.45	–	–	–	100	*	–
Smith (FL)	936.2	157.2	38.73	2.82	15.1	344.0	19.79	.45	–	–	–	100	*	–
Gulf States Utilities Co	**2,048.0**	**201.4**	**34.87**	**.51**	**233.9**	**221.7**	**13.84**	**.34**	**155,251.0**	**181.3**	**1.89**	**18**	**1**	**81**
Nelson (LA)	2,048.0	201.4	34.87	.51	26.8	326.9	19.11	.11	21,114.0	168.8	1.77	61	*	38
Willow Glen (LA)	–	–	–	–	109.9	212.7	13.29	.70	30,609.0	184.8	1.94	–	2	98
Lewis Creek (TX)	–	–	–	–	–	–	–	–	23,965.0	181.1	1.87	–	–	100
Sabine (TX)	–	–	–	–	97.2	205.0	13.02	*	79,563.0	183.3	1.90	–	1	99
Hamilton City of	**112.6**	**138.9**	**34.80**	**.67**	**.9**	**371.9**	**21.40**	**.21**	**189.1**	**277.8**	**2.78**	**94**	*****	**6**
Hamilton (OH)	112.6	138.9	34.80	.67	.9	371.9	21.40	.21	189.1	277.8	2.78	94	*	6
Hastings City of	**198.8**	**90.2**	**15.66**	**.33**	–	–	–	–	–	–	–	**100**	–	–
Hastings (NE)	198.8	90.2	15.66	.33	–	–	–	–	–	–	–	100	–	–
Hawaiian Electric Co Inc	–	–	–	–	**9,999.6**	**286.7**	**17.96**	**.46**	–	–	–	–	**100**	–
Honolulu (HI)	–	–	–	–	68.4	309.2	19.26	.47	–	–	–	–	100	–
Kahe (HI)	–	–	–	–	3,392.2	284.7	17.93	.47	–	–	–	–	100	–
Waiau (HI)	–	–	–	–	442.4	303.0	19.00	.48	–	–	–	–	100	–
Storage Facility #1	–	–	–	–	6,096.6	286.4	17.89	.45	–	–	–	–	100	–
Holland City of	**125.6**	**159.0**	**42.27**	**.83**	–	–	–	–	–	–	–	**100**	–	–
James De Young (MI)	125.6	159.0	42.27	.83	–	–	–	–	–	–	–	100	–	–
Holyoke Water Power Co	**415.1**	**172.7**	**45.58**	**1.31**	**2.4**	**347.4**	**20.17**	**.29**	–	–	–	**100**	*****	–
Mount Tom (MA)	415.1	172.7	45.58	1.31	2.4	347.4	20.17	.29	–	–	–	100	*	–
Hoosier Energy R E C Inc	**2,370.6**	**113.4**	**25.09**	**3.43**	**19.5**	**366.8**	**21.01**	**.21**	–	–	–	**100**	*****	–
Frank E Ratts (IN)	437.5	134.2	29.64	2.95	1.5	355.3	20.21	.20	–	–	–	100	*	–
Merom (IN)	1,933.1	108.7	24.05	3.54	18.0	367.8	21.07	.21	–	–	–	100	*	–
Houston Lighting & Power Co	**15,469.9**	**204.5**	**30.59**	**.71**	**1.4**	**412.3**	**24.26**	**.00**	**231,479.3**	**175.9**	**1.82**	**49**	*****	**51**
Limestone (TX)	7,473.9	155.3	19.88	1.01	1.3	420.1	24.66	.00	4,605.8	181.6	1.93	95	*	5
Cedar Bayou (TX)	–	–	–	–	–	–	–	–	93,496.0	171.7	1.77	–	–	100
Deepwater (TX)	–	–	–	–	–	–	–	–	845.6	189.0	1.95	–	–	100
Green Bayou (TX)	–	–	–	–	–	–	–	–	11,300.3	184.3	1.93	–	–	100
Robinson (TX)	–	–	–	–	–	–	–	–	69,926.3	174.4	1.80	–	–	100
Bertron (TX)	–	–	–	–	.1	301.5	18.30	.00	7,286.6	185.4	1.93	–	*	100
Wharton (TX)	–	–	–	–	–	–	–	–	2,306.0	187.0	1.92	–	–	100
Parish (TX)	7,996.0	239.1	40.60	.42	–	–	–	–	20,099.8	189.7	1.95	87	–	13
Webster (TX)	–	–	–	–	–	–	–	–	8,269.7	189.0	1.94	–	–	100
Storage Facility #1	–	–	–	–	–	–	–	–	13,343.2	167.4	1.73	–	–	100
Illinois Power Co	**6,321.5**	**147.7**	**32.94**	**2.42**	**165.2**	**287.3**	**18.13**	**.76**	**779.1**	**273.3**	**2.79**	**99**	**1**	**1**
Baldwin (IL)	4,106.0	148.0	32.17	2.84	11.3	375.5	21.76	.30	–	–	–	100	*	–
Havana (IL)	583.8	147.8	37.27	.67	146.8	277.7	17.70	.82	–	–	–	94	6	–
Hennepin (IL)	613.8	154.6	33.78	2.75	–	–	–	–	86.7	271.9	2.78	99	–	1
Vermilion (IL)	435.8	115.8	24.86	2.26	2.1	391.6	22.70	.30	–	–	–	100	*	–
Wood River (IL)	581.9	160.3	39.20	1.00	5.0	353.9	20.51	.30	692.4	273.5	2.79	95	*	5
Imperial Irrigation District	–	–	–	–	**223.1**	**288.5**	**18.11**	**1.20**	**4,774.1**	**297.9**	**3.05**	–	**22**	**78**
El Centro (CA)	–	–	–	–	223.1	288.5	18.11	1.20	4,774.1	297.9	3.05	–	22	78
Independence City of	–	–	–	–	–	–	–	–	**25.0**	**300.5**	**2.95**	–	–	**100**
Blue Valley (MO)	–	–	–	–	–	–	–	–	25.0	300.5	2.95	–	–	100
Indiana & Michigan Electric Co	**5,290.2**	**165.6**	**31.55**	**1.20**	**145.8**	**357.8**	**20.60**	**.00**	–	–	–	**99**	**1**	–
Breed (IN)	660.9	151.2	33.31	3.98	5.3	361.3	20.81	.00	–	–	–	100	*	–
Tanners Creek (IN)	1,403.2	178.0	41.99	1.83	37.0	333.0	19.52	.00	–	–	–	99	1	–
Rockport (IN)	3,226.1	161.7	26.65	.35	103.5	366.6	20.98	.00	–	–	–	99	1	–
Indiana-Kentucky Electric Corp	**3,932.0**	**109.4**	**25.27**	**3.32**	**3.5**	**418.5**	**24.19**	**.18**	–	–	–	**100**	*****	–
Clifty Creek (IN)	3,932.0	109.4	25.27	3.32	3.5	418.5	24.19	.18	–	–	–	100	*	–

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, 1988 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10⁶ Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 Bbls)	(Cents per 10⁶ Btu)	($ per Bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10⁶ Btu)	($ per Mcf)	Coal	Petroleum	Gas
Indianapolis Power & Light Co	**5,281.0**	**109.0**	**24.38**	**2.05**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**100**	**–**	**–**
Stout (IN)	839.0	135.3	30.17	1.83	–	–	–	–	–	–	–	100	–	–
Pritchard (IN)	345.0	115.1	25.92	2.20	–	–	–	–	–	–	–	100	–	–
Petersburg (IN)	4,097.0	103.1	23.06	2.08	–	–	–	–	–	–	–	100	–	–
Interstate Power Co	**1,380.5**	**177.6**	**33.73**	**1.34**	**5.8**	**351.7**	**20.68**	**0.00**	**2,640.8**	**186.1**	**1.87**	**91**	*****	**9**
Dubuque (IA)	62.0	102.0	22.61	2.82	.6	355.2	20.89	.00	635.1	195.6	1.96	68	*	32
Lansing (IA)	825.2	209.6	35.57	.39	5.2	351.2	20.65	.00	–	–	–	100	*	–
Kapp (IA)	421.4	145.6	32.15	2.94	–	–	–	–	792.5	170.6	1.73	92	–	8
Fox Lake (MN)	71.9	147.6	31.43	1.68	–	–	–	–	1,213.2	191.4	1.91	56	–	44
Iowa Electric Light & Power Co	**795.0**	**138.6**	**31.94**	**2.17**	**17.0**	**410.2**	**23.86**	**.00**	**448.0**	**258.3**	**2.58**	**97**	**1**	**2**
6th St (IA)	76.0	139.5	33.09	2.21	–	–	–	–	359.0	262.2	2.62	83	–	17
Praire Creek (IA)	475.0	136.2	31.89	2.19	1.0	154.3	8.97	.00	13.0	246.8	2.47	100	*	*
Sutherland (IA)	244.0	143.3	31.67	2.13	16.0	426.1	24.79	.00	76.0	241.8	2.42	97	2	1
Iowa Power & Light Co	**2,830.7**	**100.4**	**16.91**	**.35**	**30.3**	**361.2**	**20.63**	**.08**	**41.1**	**[2] 345.5**	**3.44**	**100**	*****	*****
Council Bluffs (IA)	2,830.7	100.4	16.91	.35	30.3	361.2	20.63	.08	41.1	[2] 345.5	3.44	100	*	*
Iowa Public Service Co	**2,967.9**	**120.9**	**22.98**	**.50**	**10.3**	**340.6**	**19.77**	**.00**	**1,329.2**	**161.8**	**1.62**	**98**	*****	**2**
George Neal 1-4 (IA)	2,967.9	120.9	22.98	.50	10.3	340.6	19.77	.00	1,329.2	161.8	1.62	98	*	2
Iowa Southern Utilities Co	**[1] 2,683.9**	**109.3**	**19.23**	**.70**	**7.2**	**390.0**	**22.58**	**.04**	**–**	**–**	**–**	**100**	*****	**–**
Burlington (IA)	[1] 402.0	105.2	23.27	2.72	3.8	393.9	22.81	.04	–	–	–	100	*	–
Ottumwa (IA)	2,281.9	110.2	18.52	.34	3.4	385.5	22.33	.04	–	–	–	100	*	–
Iowa-Illinois Gas&Electric Co	**2,501.0**	**112.0**	**19.69**	**.55**	**–**	**–**	**–**	**–**	**576.0**	**292.3**	**2.98**	**99**	**–**	**1**
Riverside (IA)	303.0	113.1	26.73	1.98	–	–	–	–	451.0	300.2	3.06	94	–	6
Louisa (IA)	2,198.0	111.8	18.72	.35	–	–	–	–	125.0	264.1	2.70	100	–	*
Jacksonville Electric Auth	**2,868.6**	**163.5**	**40.21**	**.89**	**4,356.7**	**206.5**	**13.14**	**1.67**	**816.9**	**228.3**	**2.38**	**71**	**28**	**1**
St Johns River (FL)	2,868.6	163.5	40.21	.89	68.4	351.2	20.50	.35	–	–	–	99	1	–
Kennedy (FL)	–	–	–	–	–	–	–	–	67.3	244.9	2.54	–	–	100
Northside (FL)	–	–	–	–	4,288.3	204.4	13.03	1.69	–	–	–	–	100	–
Southside (FL)	–	–	–	–	–	–	–	–	749.6	226.8	2.36	–	–	100
Jamestown City of	**137.3**	**129.4**	**33.03**	**1.61**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**100**	**–**	**–**
Samuel A Carlson (NY)	137.3	129.4	33.03	1.61	–	–	–	–	–	–	–	100	–	–
Jersey Central Power&Light Co	**–**	**–**	**–**	**–**	**1,416.9**	**251.2**	**15.77**	**.53**	**5,938.2**	**226.5**	**2.33**	**–**	**59**	**41**
Werner (NJ)	–	–	–	–	198.5	259.4	16.13	.28	–	–	–	–	100	–
Sayreville (NJ)	–	–	–	–	679.2	271.0	16.84	.29	4,716.0	231.5	2.38	–	47	53
Gilbert (NJ)	–	–	–	–	539.2	224.0	14.28	.93	1,222.1	207.0	2.13	–	73	27
Kansas City City of	**1,492.7**	**138.9**	**26.87**	**1.19**	**12.7**	**343.2**	**19.89**	**.15**	**193.1**	**317.7**	**3.13**	**99**	*****	**1**
Kaw (KS)	146.6	158.6	36.18	2.19	.2	369.9	21.44	.00	82.4	316.2	3.13	98	*	2
Quindaro (KS)	475.9	174.3	39.99	2.40	6.3	332.3	19.26	*	110.7	318.8	3.13	99	*	1
Nearman (KS)	870.1	108.0	18.12	.37	6.1	353.7	20.50	.31	–	–	–	100	*	–
Kansas City Power & Light Co	**8,147.8**	**98.2**	**17.54**	**.70**	**90.1**	**343.9**	**20.04**	**.28**	**121.7**	**259.7**	**2.54**	**100**	*****	*****
La Cygne (KS)	3,094.0	111.1	20.55	1.33	73.6	343.5	20.02	.28	–	–	–	99	1	–
Hawthorne (MO)	1,320.0	87.5	15.29	.26	–	–	–	–	121.7	259.7	2.54	99	–	1
Montrose (MO)	1,421.1	104.9	17.88	.30	6.7	340.9	19.84	.29	–	–	–	100	*	–
Iatan (MO)	2,312.7	82.1	14.59	.36	9.8	348.3	20.30	.33	–	–	–	100	*	–
Kansas Gas & Electric Co	**–**	**–**	**–**	**–**	**45.0**	**273.4**	**17.05**	**1.55**	**7,927.0**	**202.1**	**2.00**	**–**	**3**	**97**
Evans (KS)	–	–	–	–	44.0	273.5	17.05	1.55	4,634.0	214.8	2.07	–	6	94
Gill (KS)	–	–	–	–	1.0	269.9	17.04	1.55	3,293.0	185.4	1.91	–	*	100
Kansas Power & Light Co	**9,044.3**	**128.3**	**22.61**	**.42**	**–**	**–**	**–**	**–**	**1,941.8**	**216.0**	**2.16**	**99**	**–**	**1**
Hutchinson (KS)	–	–	–	–	–	–	–	–	1,320.2	196.9	1.97	–	–	100
Lawrence (KS)	992.4	127.8	28.08	.82	–	–	–	–	371.9	271.3	2.69	98	–	2
Tecumseh (KS)	390.5	127.7	28.04	.83	–	–	–	–	249.7	235.8	2.36	97	–	3
Jeffrey Energy Cnt (KS)	7,661.4	126.4	21.63	.35	–	–	–	–	–	–	–	100	–	–

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, 1988 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10⁶ Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 Bbls)	(Cents per 10⁶ Btu)	($ per Bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10⁶ Btu)	($ per Mcf)	Coal	Petroleum	Gas
Kentucky Power Co	**1,771.4**	**128.6**	**30.94**	**1.19**	**33.6**	**376.2**	**21.99**	**0.00**	**–**	**–**	**–**	**100**	*****	**–**
Big Sandy (KY)	1,771.4	128.6	30.94	1.19	33.6	376.2	21.99	.00	–	–	–	100	*	–
Kentucky Utilities Co	**5,884.8**	**129.3**	**31.16**	**1.49**	**54.9**	**385.1**	**22.64**	**.40**	**–**	**–**	**–**	**100**	*****	**–**
Brown (KY)	1,412.1	101.2	23.76	2.14	13.0	367.7	21.62	.40	–	–	–	100	*	–
Ghent (KY)	3,952.2	142.7	34.72	1.16	37.8	387.4	22.78	.40	–	–	–	100	*	–
Green River (KY)	470.1	98.6	23.74	2.35	*	610.0	35.87	.40	–	–	–	100	*	–
Tyrone (KY)	50.3	119.0	28.75	.86	4.0	417.5	24.55	.40	–	–	–	98	2	–
Lafayette City of	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**4,425.9**	**174.0**	**1.81**	**–**	**–**	**100**
Bonin (LA)	–	–	–	–	–	–	–	–	4,425.9	174.0	1.81	–	–	100
Lake Worth City of	**–**	**–**	**–**	**–**	**3.0**	**366.3**	**21.63**	**.55**	**589.4**	**218.0**	**2.26**	**–**	**3**	**97**
Tom G Smith (FL)	–	–	–	–	3.0	366.3	21.63	.55	589.4	218.0	2.26	–	3	97
Lakeland City of	**731.2**	**217.6**	**53.52**	**1.65**	**311.7**	**227.7**	**14.22**	**1.93**	**3,285.6**	**241.6**	**2.47**	**77**	**8**	**14**
Larsen Mem (FL)	–	–	–	–	20.1	208.0	13.10	2.05	172.3	243.9	2.50	–	42	58
Plant 3-Mcintosh (FL)	731.2	217.6	53.52	1.65	291.6	229.0	14.30	1.92	3,113.3	241.4	2.47	78	8	14
Lansing City of	**929.1**	**198.3**	**51.63**	**.83**	**13.7**	**448.0**	**25.96**	**.42**	**–**	**–**	**–**	**100**	*****	**–**
Eckert (MI)	697.3	199.8	52.07	.84	11.0	453.1	26.26	.42	–	–	–	100	*	–
Erickson (MI)	211.1	191.9	49.75	.82	1.6	427.9	24.80	.44	–	–	–	100	*	–
Ottawa (MI)	20.7	212.4	55.92	.78	1.1	426.8	24.74	.44	–	–	–	99	1	–
Long Island Lighting Co	**–**	**–**	**–**	**–**	**19,097.0**	**244.2**	**15.53**	**.82**	**25,141.0**	**214.8**	**2.21**	**–**	**82**	**18**
Barrett (NY)	–	–	–	–	1,108.0	276.0	17.07	.32	15,218.0	215.1	2.22	–	30	70
Far Rockaway (NY)	–	–	–	–	186.0	276.8	17.24	.27	2,752.0	223.0	2.29	–	29	71
Glenwood (NY)	–	–	–	–	517.0	291.3	17.95	.29	7,171.0	211.0	2.17	–	30	70
Northport (NY)	–	–	–	–	13,872.0	239.5	15.28	.87	–	–	–	–	100	–
Port Jefferson (NY)	–	–	–	–	3,414.0	244.6	15.55	.88	–	–	–	–	100	–
Los Angeles City of	**4,372.9**	**139.8**	**32.92**	**.56**	**1,509.1**	**274.4**	**16.82**	**.23**	**49,938.6**	**281.2**	**2.93**	**63**	**6**	**32**
Harbor (CA)	–	–	–	–	–	–	–	–	1,850.6	271.8	2.82	–	–	100
Haynes (CA)	–	–	–	–	1,108.0	263.4	16.11	.22	35,286.0	280.0	2.93	–	16	84
Scattergood (CA)	–	–	–	–	401.1	304.7	18.79	.25	8,645.9	286.7	2.97	–	22	78
Valley (CA)	–	–	–	–	–	–	–	–	4,156.1	284.5	2.95	–	–	100
Intermountain (UT)	4,372.9	139.8	32.92	.56	–	–	–	–	–	–	–	100	–	–
Louisiana Power & Light Co	**–**	**–**	**–**	**–**	**296.5**	**403.9**	**25.26**	**.74**	**114,610.0**	**135.2**	**1.41**	**–**	**2**	**98**
Little Gypsy (LA)	–	–	–	–	35.0	567.8	34.20	.17	28,308.0	81.8	.85	–	1	99
Nine Mile (LA)	–	–	–	–	42.4	508.5	31.34	.41	58,638.0	146.6	1.53	–	*	100
Sterlington (LA)	–	–	–	–	17.0	631.8	36.30	.14	3,585.0	185.0	1.95	–	3	97
Monroe (LA)	–	–	–	–	–	–	–	–	71.0	277.8	2.89	–	–	100
Waterford (LA)	–	–	–	–	202.1	338.5	21.51	.96	24,008.0	161.8	1.70	–	5	95
Louisville Gas & Electric Co	**3,529.1**	**129.8**	**29.48**	**3.31**	**46.3**	**386.2**	**22.71**	**.22**	**372.6**	**241.0**	**2.47**	**99**	*****	*****
Cane Run (KY)	749.6	137.2	30.78	3.48	1.9	397.3	23.36	.24	277.6	231.1	2.37	98	*	2
Mill Creek (KY)	2,779.5	127.9	29.12	3.26	44.4	385.8	22.68	.21	95.0	270.0	2.77	99	*	*
Lower Colorado River Authority	**5,593.0**	**146.9**	**25.23**	**.34**	**22.0**	**346.1**	**20.50**	**.00**	**21,202.0**	**172.9**	**1.79**	**81**	*****	**19**
Gideon (TX)	–	–	–	–	–	–	–	–	17,281.0	171.0	1.76	–	–	100
T C Ferguson (TX)	–	–	–	–	–	–	–	–	3,921.0	181.2	1.89	–	–	100
S Seymour-Fayette (TX)	5,593.0	146.9	25.23	.34	22.0	346.1	20.50	.00	–	–	–	100	*	–
Lubbock City of	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**6,736.5**	**226.1**	**2.36**	**–**	**–**	**100**
Holly Ave (TX)	–	–	–	–	–	–	–	–	6,387.5	228.8	2.39	–	–	100
Plant 2 (TX)	–	–	–	–	–	–	–	–	349.0	175.0	1.77	–	–	100
Madison Gas & Electric Co	**150.0**	**163.6**	**39.79**	**2.09**	**–**	**–**	**–**	**–**	**571.0**	**309.9**	**3.10**	**86**	**–**	**14**
Blount (WI)	150.0	163.6	39.79	2.09	–	–	–	–	571.0	309.9	3.10	86	–	14
Manitowoc City of	**101.9**	**168.4**	**44.23**	**.85**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**100**	**–**	**–**
Manitowoc (WI)	101.9	166.4	44.23	.85	–	–	–	–	–	–	–	100	–	–
Marquette City of	**117.3**	**189.1**	**33.65**	**.50**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**100**	**–**	**–**
Shiras (MI)	117.3	189.1	33.65	.50	–	–	–	–	–	–	–	100	–	–

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, 1988 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 Bbls)	(Cents per 10^6 Btu)	($ per Bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Medina Electric Coop Inc	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**235.1**	**225.0**	**2.46**	**–**	**–**	**100**
Pearsall (TX)	–	–	–	–	–	–	–	–	235.1	225.0	2.46	–	–	100
Metropolitan Edison Co	**1,092.4**	**162.8**	**42.45**	**1.80**	**50.8**	**371.2**	**21.30**	**0.23**	**–**	**–**	**–**	**99**	**1**	**–**
Portland (PA)	648.6	159.1	41.13	2.02	36.1	372.2	21.33	.23	–	–	–	99	1	–
Titus (PA)	443.8	168.1	44.38	1.47	14.7	368.7	21.21	.21	–	–	–	99	1	–
Michigan South Central Pwr Agy	**110.8**	**203.6**	**48.04**	**3.20**	**6.0**	**394.6**	**23.20**	**.40**	**–**	**–**	**–**	**99**	**1**	**–**
Project I (MI)	110.8	203.6	48.04	3.20	6.0	394.6	23.20	.40	–	–	–	99	1	–
Minnesota Power & Light Co	**3,818.7**	**132.5**	**22.77**	**.80**	**14.3**	**371.7**	**21.39**	**.00**	**–**	**–**	**–**	**100**	*****	**–**
Aurora-Syl Laskin (MN)	23.2	167.3	28.61	.71	1.9	389.4	22.41	.00	–	–	–	97	3	–
Boswell (MN)	3,795.5	132.3	22.73	.81	12.4	369.0	21.23	.00	–	–	–	100	*	–
Minnkota Power Coop Inc	**3,863.2**	**48.6**	**6.52**	**.71**	**7.2**	**396.2**	**23.30**	**.40**	**–**	**–**	**–**	**100**	*****	**–**
Young (ND)	3,863.2	48.6	6.52	.71	7.2	396.2	23.30	.40	–	–	–	100	*	–
Mississippi Power & Light Co	**–**	**–**	**–**	**–**	**1,004.0**	**333.1**	**21.05**	**2.82**	**21,206.3**	**186.9**	**1.92**	**–**	**23**	**77**
Wilson (MS)	–	–	–	–	428.1	365.8	23.15	2.77	4,806.0	183.7	1.90	–	35	65
Delta (MS)	–	–	–	–	–	–	–	–	908.7	195.8	2.01	–	–	100
Brown (MS)	–	–	–	–	3.4	482.6	28.08	.02	8,096.2	191.2	1.96	–	*	100
Gerald Andrus (MS)	–	–	–	–	572.5	307.9	19.44	2.88	7,395.4	183.4	1.89	–	32	68
Mississippi Power Co	**4,120.6**	**177.7**	**45.08**	**1.49**	**73.0**	**250.9**	**15.56**	**2.42**	**2,960.1**	**180.0**	**1.86**	**97**	*****	**3**
Eaton (MS)	–	–	–	–	–	–	–	–	610.2	177.1	1.82	–	–	100
Sweatt (MS)	–	–	–	–	64.3	239.4	14.98	2.69	91.1	179.8	2.12	–	79	21
Watson (MS)	1,814.7	163.5	40.27	2.49	–	–	–	–	2,258.8	180.8	1.87	95	–	5
Daniel (MS)	2,305.9	188.3	48.86	.70	8.7	342.5	19.88	.37	–	–	–	100	*	–
Missouri Public Service Comm	**835.5**	**158.0**	**34.69**	**3.07**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**100**	**–**	**–**
Sibley (MO)	835.5	158.0	34.69	3.07	–	–	–	–	–	–	–	100	–	–
Monongahela Power Co	**10,495.4**	**129.1**	**32.88**	**2.45**	**102.2**	**392.1**	**23.22**	**.30**	**85.7**	**389.2**	**3.89**	**100**	*****	*****
Albright (WV)	804.0	101.6	25.08	1.65	5.2	417.7	24.74	.30	–	–	–	100	*	–
Ft Martin (WV)	2,478.9	138.4	34.43	1.79	20.4	335.9	19.89	.30	–	–	–	100	*	–
Harrison (WV)	4,120.9	135.9	35.80	2.97	2.7	427.8	25.33	.30	85.7	389.2	3.89	100	*	*
Rivesville (WV)	240.9	110.8	27.31	.91	2.5	418.5	24.78	.30	–	–	–	100	*	–
Willow Island (WV)	508.0	123.4	31.88	1.48	4.0	406.5	24.07	.30	–	–	–	100	*	–
Pleasants (WV)	2,342.7	119.0	29.56	2.89	67.5	403.8	23.91	.30	–	–	–	99	1	–
Montana Power Co	**10,306.0**	**53.7**	**9.19**	**.67**	**61.0**	**367.0**	**18.75**	**.00**	**276.0**	**121.5**	**1.47**	**100**	*****	*****
Corette (MT)	650.0	70.3	12.12	.56	–	–	–	–	276.0	121.5	1.47	97	–	3
Colstrip (MT)	9,656.0	52.6	8.99	.68	61.0	367.0	18.75	.00	–	–	–	100	*	–
Montana-Dakota Utilities Co	**2,394.4**	**85.0**	**11.72**	**.92**	**16.3**	**365.6**	**20.97**	**.30**	**6.2**	**404.9**	**4.58**	**100**	*****	*****
Heskett (ND)	374.3	107.4	15.08	.89	–	–	–	–	1.1	428.6	4.56	100	–	*
Lewis and Clark (MT)	167.8	120.1	15.75	.56	–	–	–	–	5.1	400.2	4.59	100	–	*
Coyote (ND)	1,852.3	77.3	10.67	.96	16.3	365.6	20.97	.30	–	–	–	100	*	–
Montaup Electric Co	**464.8**	**171.3**	**45.67**	**1.16**	**134.1**	**287.8**	**17.63**	**.62**	**–**	**–**	**–**	**94**	**6**	**–**
Somerset (MA)	464.8	171.3	45.67	1.16	134.1	287.8	17.63	.62	–	–	–	94	6	–
Muscatine City of	**486.7**	**195.3**	**44.23**	**2.93**	**3.8**	**393.1**	**22.87**	**.00**	**9.6**	**227.2**	**2.27**	**100**	*****	*****
Muscatine (IA)	486.7	195.3	44.23	2.93	3.8	393.1	22.87	.00	9.6	227.2	2.27	100	*	*
Nebraska Public Power District	**3,611.0**	**97.3**	**17.14**	**.37**	**1.7**	**355.3**	**20.61**	**.28**	**378.5**	**334.2**	**3.18**	**99**	*****	**1**
Sheldon (NE)	553.4	99.0	16.72	.42	–	–	–	–	3.8	425.3	4.25	100	–	*
Gerald Gentleman (NE)	3,057.6	97.0	17.22	.36	1.7	355.3	20.61	.28	374.7	333.2	3.17	99	*	1
Nevada Power Co	**1,443.0**	**200.4**	**47.40**	**.56**	**148.2**	**215.4**	**13.28**	**.88**	**2,773.7**	**255.1**	**2.65**	**90**	**2**	**8**
Clark (NV)	–	–	–	–	101.4	209.7	12.96	.88	1,668.8	260.5	2.71	–	27	73
Gardner (NV)	1,443.0	200.4	47.40	.56	6.7	470.1	26.73	.46	–	–	–	100	*	–
Sunrise (NV)	–	–	–	–	40.0	190.5	11.84	.95	1,104.9	246.9	2.56	–	18	82
New England Power Co	**3,405.5**	**158.3**	**41.36**	**1.20**	**8,425.6**	**249.4**	**15.77**	**1.81**	**166.2**	**208.6**	**2.15**	**62**	**37**	*****

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, 1988 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 Bbls)	(Cents per 10^6 Btu)	($ per Bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
New England Power Co														
Brayton (MA)	2,554.5	157.1	41.09	1.20	2,592.5	270.6	17.11	2.00	–	–	–	80	20	–
Salem Harbor (MA)	851.0	161.9	42.25	1.19	4,417.4	245.0	15.48	1.97	–	–	–	44	56	–
Manchester St (RI)	–	–	–	–	1,415.7	224.6	14.24	.94	166.2	208.6	2.15	–	98	2
New Orleans Public Service Inc	**–**	**–**	**–**	**–**	**4.7**	**362.6**	**23.06**	**1.40**	**25,438.0**	**188.3**	**1.94**	**–**	*****	**100**
Paterson (LA)	–	–	–	–	.3	581.5	33.61	.00	–	–	–	–	100	–
Michoud (LA)	–	–	–	–	4.4	350.1	22.39	1.49	25,438.0	188.3	1.94	–	*	100
New York State Elec & Gas Corp	**[1] 3,438.2**	**151.5**	**37.78**	**2.06**	**46.8**	**405.0**	**23.30**	**.14**	**–**	**–**	**–**	**100**	*****	**–**
Goudey (NY)	308.5	146.7	36.28	1.83	14.3	398.0	22.90	.14	–	–	–	99	1	–
Greenidge (NY)	399.8	145.1	36.08	1.93	11.5	397.9	22.89	.14	–	–	–	99	1	–
Hickling (NY)	[1] 280.4	141.9	32.29	1.21	–	–	–	–	–	–	–	100	–	–
Jennison (NY)	208.0	165.4	36.94	1.08	–	–	–	–	–	–	–	100	–	–
Milliken (NY)	730.7	151.5	36.83	1.91	4.9	395.1	22.73	.14	–	–	–	100	*	–
Somerset (NY)	1,510.8	153.9	40.13	2.50	16.1	419.2	24.12	.14	–	–	–	100	*	–
Niagara Mohawk Power Corp	**3,000.1**	**147.4**	**38.41**	**1.82**	**10,790.0**	**240.6**	**15.16**	**1.12**	**11,700.5**	**216.7**	**2.23**	**49**	**43**	**8**
Albany (NY)	–	–	–	–	2,090.0	211.2	13.39	1.36	11,469.5	215.2	2.22	–	53	47
Huntley (NY)	1,667.0	152.8	40.20	1.64	–	–	–	–	–	–	–	100	–	–
Dunkirk (NY)	1,333.1	140.6	36.17	2.04	–	–	–	–	–	–	–	100	–	–
Oswego (NY)	–	–	–	–	8,700.0	247.8	15.59	1.06	231.0	294.0	2.95	–	100	*
Northern Indiana Pub Serv Co	**[1] 5,880.4**	**166.5**	**36.63**	**1.96**	**–**	**–**	**–**	**–**	**2,798.2**	**247.1**	**2.47**	**98**	**–**	**2**
Bailly (IN)	[1] 1,136.1	148.2	33.84	3.05	–	–	–	–	133.8	254.7	2.55	99	–	1
Mitchell (IN)	1,362.1	140.0	28.23	.47	–	–	–	–	243.3	269.7	2.70	99	–	1
Michigan City (IN)	1,028.1	179.4	39.88	2.64	–	–	–	–	2,133.7	240.4	2.40	91	–	9
Rollin Schahfer (IN)	2,354.1	183.7	41.43	2.00	–	–	–	–	287.4	273.9	2.74	99	–	1
Northern States Power Co	**[1] 11,432.2**	**113.8**	**19.95**	**.53**	**–**	**–**	**–**	**–**	**1,048.3**	**237.3**	**2.39**	**99**	**–**	**1**
Black Dog (MN)	[1] 558.1	127.5	22.62	.36	–	–	–	–	442.9	235.6	2.37	96	–	4
High Bridge (MN)	641.0	109.9	19.45	.31	–	–	–	–	321.4	228.7	2.31	97	–	3
King (MN)	[1] 1,358.2	121.5	21.61	.40	–	–	–	–	–	–	–	100	–	–
Riverside (MN)	[1] 1,067.2	101.8	18.18	.38	–	–	–	–	284.0	249.7	2.52	99	–	1
Sherburne County (MN)	7,807.7	113.4	19.76	.61	–	–	–	–	–	–	–	100	–	–
Ohio Edison Co	**8,116.3**	**121.8**	**29.58**	**2.18**	**46.8**	**385.0**	**22.14**	**.34**	**–**	**–**	**–**	**100**	*****	**–**
Edgewater (OH)	241.3	133.9	32.28	2.01	7.4	387.6	22.32	.27	–	–	–	99	1	–
Gorge Steam (OH)	118.0	121.8	29.08	2.12	2.4	377.0	21.71	.29	–	–	–	100	*	–
Niles (OH)	562.8	106.7	25.14	3.21	3.3	389.0	22.35	.29	–	–	–	100	*	–
Burger (OH)	1,042.2	116.0	27.61	2.92	6.4	386.5	22.26	.32	–	–	–	100	*	–
Sammis (OH)	5,783.6	125.0	30.62	1.86	25.7	384.4	22.09	.37	–	–	–	100	*	–
Toronto (OH)	368.4	102.5	24.08	3.59	1.6	380.8	21.95	.37	–	–	–	100	*	–
Ohio Power Co	**13,080.9**	**170.4**	**39.33**	**3.32**	**162.3**	**365.0**	**21.12**	**.00**	**–**	**–**	**–**	**100**	*****	**–**
Muskingum (OH)	3,370.2	165.9	38.04	4.54	41.8	384.5	21.98	.00	–	–	–	100	*	–
Kammer (WV)	1,710.9	123.7	29.79	3.96	3.4	423.2	24.52	.00	–	–	–	100	*	–
Mitchell (WV)	2,699.0	169.3	40.34	1.34	70.3	359.9	21.01	.00	–	–	–	99	1	–
Gavin (OH)	5,300.8	190.0	42.71	3.36	46.8	351.2	20.27	.00	–	–	–	100	*	–
Ohio Valley Electric Corp	**2,831.0**	**137.5**	**32.90**	**3.75**	**4.2**	**464.3**	**26.93**	**.18**	**–**	**–**	**–**	**100**	*****	**–**
Kyger Creek (OH)	2,831.0	137.5	32.90	3.75	4.2	464.3	26.93	.18	–	–	–	100	*	–
Oklahoma Gas & Electric Co	**6,168.5**	**156.4**	**28.79**	**.43**	**135.5**	**250.2**	**16.10**	**1.03**	**91,686.5**	**275.1**	**2.85**	**54**	*****	**45**
Horseshoe Lake (OK)	–	–	–	–	–	–	–	–	23,001.6	274.3	2.84	–	–	100
Muskogee (OK)	3,629.7	150.0	27.61	.43	–	–	–	–	8,002.1	278.1	2.88	89	–	11
Mustang (OK)	–	–	–	–	–	–	–	–	10,750.5	274.1	2.84	–	–	100
Seminole (OK)	–	–	–	–	135.5	250.2	16.10	1.03	49,934.2	275.2	2.85	–	2	98
Sooner (OK)	2,538.8	165.5	30.48	.42	–	–	–	–	–	–	–	100	–	–
Omaha Public Power District	**3,301.4**	**65.4**	**10.89**	**.35**	**4.7**	**341.2**	**19.70**	**.10**	**234.7**	**264.7**	**2.62**	**100**	*****	*****
North Omaha (NE)	1,449.2	65.6	10.94	.38	–	–	–	–	234.7	264.7	2.62	99	–	1
Nebraska City (NE)	1,852.2	65.2	10.86	.33	4.7	341.2	19.70	.10	–	–	–	100	*	–
Orange & Rockland Utils Inc	**415.7**	**209.8**	**54.70**	**.55**	**4,784.5**	**266.6**	**16.61**	**.32**	**21,891.6**	**226.1**	**2.34**	**17**	**47**	**36**

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, 1988 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 Bbls)	(Cents per 10^6 Btu)	($ per Bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Orange & Rockland Utils Inc														
Bowline (NY)	–	–	–	–	4,716.4	266.6	16.61	0.32	17,285.6	225.0	2.32	–	62	38
Lovett (NY)	415.7	209.8	54.70	0.55	68.1	264.1	16.35	.36	4,606.0	230.2	2.38	68	3	30
Orlando Utilities Comm	**953.3**	**186.6**	**49.40**	**.95**	**777.1**	**203.3**	**13.01**	**1.56**	**8,049.1**	**221.1**	**2.26**	**66**	**13**	**21**
Stanton Energy (FL)	953.3	186.6	49.40	.95	16.7	279.3	17.15	.72	–	–	–	100	*	–
Indian River (FL)	–	–	–	–	760.4	201.7	12.92	1.58	8,049.1	221.1	2.26	–	37	63
Otter Tail Power Co	**2,259.5**	**122.4**	**15.75**	**.88**	**10.6**	**393.6**	**23.14**	**.31**	**–**	**–**	**–**	**100**	*****	**–**
Hoot Lake (MN)	100.0	138.6	23.54	.53	1.6	346.8	20.39	.31	–	–	–	99	1	–
Big Stone (SD)	2,159.5	121.4	15.39	.90	9.0	401.7	23.62	.31	–	–	–	100	*	–
Owensboro City of	**537.7**	**129.3**	**27.84**	**2.85**	**3.0**	**404.2**	**23.77**	**.27**	**–**	**–**	**–**	**100**	*****	**–**
Smith (KY)	537.7	129.3	27.84	2.85	3.0	404.2	23.77	.27	–	–	–	100	*	–
Pacific Gas & Electric Co	**–**	**–**	**–**	**–**	**5,825.0**	**262.1**	**16.16**	**.42**	**262,323.5**	**263.8**	**2.72**	**–**	**12**	**88**
Contra Costa (CA)	–	–	–	–	–	–	–	–	38,682.4	268.5	2.74	–	–	100
Humboldt Bay (CA)	–	–	–	–	118.7	213.7	13.55	1.58	1,627.2	273.5	2.81	–	31	69
Hunters Point (CA)	–	–	–	–	–	–	–	–	15,446.2	263.6	2.67	–	–	100
Morro Bay (CA)	–	–	–	–	1,074.6	272.7	16.63	.41	39,399.0	259.1	2.71	–	14	86
Moss Landing (CA)	–	–	–	–	1,553.4	262.4	16.08	.31	68,773.5	264.5	2.76	–	12	88
Pittsburg (CA)	–	–	–	–	2,782.6	258.0	16.00	.45	89,906.7	262.8	2.68	–	16	84
Potrero (CA)	–	–	–	–	295.7	282.4	17.33	.20	8,488.5	268.5	2.71	–	17	83
Pacific Power & Light Co	**18,895.0**	**104.6**	**18.02**	**.58**	**101.0**	**386.8**	**22.76**	**.30**	**–**	**–**	**–**	**100**	*****	**–**
Centralia (WA)	5,621.0	155.2	25.48	.66	17.0	403.2	23.87	.30	–	–	–	100	*	–
Johnston (WY)	4,066.0	59.1	9.45	.42	24.0	381.4	21.98	.30	–	–	–	100	*	–
Wyodak (WY)	1,903.0	53.8	8.56	.63	8.0	382.6	22.66	.30	–	–	–	100	*	–
Jim Bridger (WY)	7,305.0	103.3	19.53	.61	52.0	384.6	22.78	.30	–	–	–	100	*	–
Painesville City of	**84.4**	**128.4**	**32.79**	**2.70**	**–**	**–**	**–**	**–**	**7.4**	**427.0**	**4.27**	**100**	**–**	*****
Painesville (OH)	84.4	128.4	32.79	2.70	–	–	–	–	7.4	427.0	4.27	100	–	*
Pasadena City of	**–**	**–**	**–**	**–**	**65.7**	**251.3**	**15.54**	**.20**	**3,263.6**	**267.7**	**2.75**	**–**	**11**	**89**
Broadway (CA)	–	–	–	–	65.7	251.3	15.54	.20	3,263.6	267.7	2.75	–	11	89
Pennsylvania Electric Co	**15,979.0**	**137.1**	**33.23**	**1.81**	**230.0**	**374.7**	**21.84**	**.05**	**–**	**–**	**–**	**100**	*****	**–**
Conemaugh (PA)	4,063.0	151.7	37.59	2.20	37.0	371.3	21.65	.05	–	–	–	100	*	–
Front St (PA)	245.0	131.8	32.71	1.85	1.0	404.6	23.59	.05	–	–	–	100	*	–
Homer City (PA)	5,033.0	141.6	33.12	1.70	74.0	369.9	21.56	.05	–	–	–	100	*	–
Seward (PA)	502.0	104.4	25.00	1.53	36.0	369.6	21.55	.05	–	–	–	98	2	–
Shawville (PA)	1,460.0	115.5	28.28	2.01	45.0	381.8	22.26	.05	–	–	–	99	1	–
Warren (PA)	229.0	119.7	29.31	1.90	–	–	–	–	–	–	–	100	–	–
Keystone (PA)	4,447.0	130.7	32.16	1.53	37.0	383.1	22.33	.05	–	–	–	100	*	–
Pennsylvania Power & Light Co	**[1] 9,244.0**	**163.5**	**40.14**	**1.83**	**6,131.0**	**236.8**	**14.99**	**.87**	**–**	**–**	**–**	**85**	**15**	**–**
Brunner Island (PA)	3,544.0	174.9	43.82	1.87	61.0	367.2	21.34	.13	–	–	–	100	*	–
Holtwood (PA)	[1] 289.0	103.0	20.59	1.77	–	–	–	–	–	–	–	100	–	–
Martins Creek (PA)	560.0	193.3	48.80	2.04	–	–	–	–	–	–	–	100	–	–
Montour (PA)	3,620.0	165.3	41.37	1.78	56.0	358.0	20.85	.13	–	–	–	100	*	–
Sunbury (PA)	[1] 1,231.0	118.2	26.62	1.79	5.0	338.2	19.75	.14	–	–	–	100	*	–
Storage Facility #1	–	–	–	–	6,009.0	234.5	14.86	.88	–	–	–	–	100	–
Pennsylvania Power Co	**6,279.8**	**144.9**	**35.01**	**3.72**	**67.4**	**366.6**	**21.45**	**.32**	**–**	**–**	**–**	**100**	*****	**–**
New Castle (PA)	602.4	124.7	30.86	1.44	13.4	447.4	25.80	.23	–	–	–	99	1	–
Bruce Mansfield (PA)	5,677.4	147.1	35.45	3.96	54.0	346.9	20.37	.34	–	–	–	100	*	–
Philadelphia Electric Co	**1,071.0**	**156.9**	**41.35**	**1.53**	**3,943.0**	**247.4**	**15.59**	**.53**	**–**	**–**	**–**	**53**	**47**	**–**
Cromby (PA)	231.0	156.4	40.96	1.52	–	–	–	–	–	–	–	100	–	–
Delaware (PA)	–	–	–	–	932.0	246.1	15.52	.45	–	–	–	–	100	–
Eddystone (PA)	840.0	157.0	41.45	1.53	1,928.0	253.4	15.90	.46	–	–	–	65	35	–
Schuylkill (PA)	–	–	–	–	341.0	256.7	16.14	.48	–	–	–	–	100	–
Storage Facility #1	–	–	–	–	742.0	229.6	14.63	.87	–	–	–	–	100	–
Plains Elec Gen&Trans Coop Inc	**858.1**	**134.8**	**25.62**	**.77**	**–**	**–**	**–**	**–**	**23.8**	**391.3**	**3.29**	**100**	**–**	*****
Escalante (NM)	858.1	134.8	25.62	.77	–	–	–	–	23.8	391.3	3.29	100	–	*

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, 1988 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 Bbls)	(Cents per 10^6 Btu)	($ per Bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Platte River Power Authority	**1,183.0**	**70.5**	**12.46**	**0.29**	-	-	-	-	-	-	-	100	-	-
Rawhide (CO)	1,183.0	70.5	12.46	.29	-	-	-	-	-	-	-	100	-	-
Portland General Electric Co	**234.6**	**139.0**	**23.70**	**.33**	-	-	-	-	-	-	-	100	-	-
Boardman (OR)	234.6	139.0	23.70	.33	-	-	-	-	-	-	-	100	-	-
Potomac Edison Co	**219.6**	**133.9**	**35.32**	**.98**	**6.0**	**354.3**	**20.98**	**0.30**	-	-	-	99	1	-
Smith (MD)	219.6	133.9	35.32	.98	6.0	354.3	20.98	.30	-	-	-	99	1	-
Potomac Electric Power Co	**6,308.7**	**161.6**	**40.77**	**1.57**	**3,779.4**	**251.8**	**15.71**	**1.13**	**1,568.2**	**232.3**	**2.42**	**86**	**13**	**1**
Benning (DC)	-	-	-	-	959.4	278.9	16.82	.91	-	-	-	-	100	-
Chalk (MD)	1,426.8	167.6	42.15	1.77	2,691.4	241.9	15.28	1.21	1,568.2	232.3	2.42	66	31	3
Dickerson (MD)	1,534.0	136.6	34.39	1.53	20.6	329.5	19.19	.20	-	-	-	100	*	-
Morgantown (MD)	2,478.5	168.5	42.37	1.75	91.0	238.2	14.87	1.66	-	-	-	99	1	-
Potomac River (VA)	869.4	176.0	45.20	.77	17.0	348.8	20.32	.20	-	-	-	100	*	-
Power Authority of State of NY	-	-	-	-	**2,884.0**	**261.4**	**16.18**	**.26**	**11,446.9**	**230.3**	**2.37**	-	**60**	**40**
Poletti (NY)	-	-	-	-	2,884.0	261.4	16.18	.26	11,446.9	230.3	2.37	-	60	40
Public Service Co of Colorado	**6,502.3**	**116.9**	**21.70**	**.37**	**9.3**	**402.2**	**23.05**	**.29**	**4,489.7**	[2] **220.7**	**2.17**	**96**	*	**4**
Araphoe (CO)	305.3	122.2	26.36	.40	-	-	-	-	422.3	217.5	2.14	94	-	6
Cameo (CO)	185.1	134.7	30.77	.44	-	-	-	-	88.6	363.8	3.78	98	-	2
Cherokee (CO)	1,277.6	109.8	23.55	.40	-	-	-	-	3,279.1	212.7	2.08	90	-	10
Comanche (CO)	2,360.9	121.8	20.88	.34	7.2	417.3	23.89	.25	13.1	195.6	1.97	100	*	*
Valmont (CO)	423.0	110.7	24.17	.44	-	-	-	-	625.8	[2] 244.6	2.44	94	-	6
Zuni (CO)	-	-	-	-	-	-	-	-	60.7	207.3	2.02	-	-	100
Pawnee (CO)	1,950.3	115.1	19.37	.35	2.1	351.1	20.19	.42	-	-	-	100	*	-
Public Service Co of IN Inc	**10,796.0**	**151.1**	**32.89**	**2.35**	**142.2**	**364.4**	**20.96**	**.30**	-	-	-	100	*	-
Cayuga (IN)	1,778.0	147.3	31.93	2.21	17.3	382.9	22.03	.30	-	-	-	100	*	-
Edwardsport (IN)	103.6	90.9	19.57	2.43	5.3	357.8	20.59	.30	-	-	-	99	1	-
Noblesville (IN)	10.4	117.0	27.26	1.30	3.4	386.3	22.23	.30	-	-	-	93	7	-
Gallagher (IN)	900.2	132.0	30.06	2.41	28.8	369.4	21.25	.30	-	-	-	99	1	-
Wabash River (IN)	1,079.9	122.2	26.61	2.15	24.4	372.2	21.41	.30	-	-	-	99	1	-
Gibson Station (IN)	6,923.9	160.2	34.69	2.42	63.0	353.3	20.33	.30	-	-	-	100	*	-
Public Service Co of NH	**1,261.6**	**177.7**	**47.38**	**2.29**	**5,129.7**	**186.9**	**12.13**	**1.81**	-	-	-	**50**	**50**	-
Merrimack (NH)	1,192.3	176.2	47.04	2.36	2.4	385.9	22.46	.12	-	-	-	100	*	-
Schiller (NH)	69.3	203.8	53.36	1.20	-	-	-	-	-	-	-	100	-	-
Newington Station (NH)	-	-	-	-	5,127.3	186.8	12.13	1.81	-	-	-	-	100	-
Public Service Co of NM	**4,889.8**	**152.6**	**29.11**	**.74**	**97.3**	**308.0**	**18.10**	**.75**	**302.6**	**310.1**	**3.29**	**99**	**1**	*
Reeves (NM)	-	-	-	-	-	-	-	-	302.6	310.1	3.29	-	-	100
San Juan (NM)	4,889.8	152.6	29.11	.74	97.3	308.0	18.10	.75	-	-	-	99	1	-
Public Service Co of Oklahoma	**2,704.4**	**162.0**	**28.23**	**.48**	-	-	-	-	**56,823.0**	**298.7**	**3.11**	**44**	-	**56**
Northeastern (OK)	2,704.4	162.0	28.23	.48	-	-	-	-	19,831.0	296.9	3.08	70	-	30
Southwestern (OK)	-	-	-	-	-	-	-	-	4,822.0	303.4	3.28	-	-	100
Riverside (OK)	-	-	-	-	-	-	-	-	32,170.0	299.1	3.10	-	-	100
Public Service Electric&Gas Co	**1,614.8**	**171.5**	**46.09**	**.83**	**5,225.3**	**258.7**	**16.03**	**.28**	**28,026.4**	**224.0**	**2.32**	**41**	**31**	**28**
Bergen (NJ)	-	-	-	-	1,379.0	255.5	15.73	.25	15,617.6	227.6	2.34	-	35	65
Burlington (NJ)	-	-	-	-	549.6	247.5	15.65	.46	-	-	-	-	100	-
Hudson (NJ)	730.4	170.8	44.69	.83	334.0	273.2	16.84	.25	6,450.1	216.8	2.27	68	7	24
Kearny (NJ)	-	-	-	-	354.1	253.4	15.64	.27	-	-	-	-	100	-
Linden (NJ)	-	-	-	-	2,130.4	259.5	16.10	.27	-	-	-	-	100	-
Mercer (NJ)	884.4	172.2	47.25	.83	-	-	-	-	1,418.9	233.8	2.41	94	-	6
Sewaren (NJ)	-	-	-	-	478.2	271.5	16.77	.27	4,539.8	218.7	2.25	-	39	61
Richmond City of	**221.5**	**161.8**	**37.02**	**2.55**	-	-	-	-	-	-	-	100	-	-
Whitewater (IN)	221.5	161.8	37.02	2.55	-	-	-	-	-	-	-	100	-	-
Rochester City of	**106.7**	**197.0**	**47.86**	**1.55**	-	-	-	-	**1,108.6**	**169.2**	**1.70**	**70**	-	**30**
Silver Lake (MN)	106.7	197.0	47.86	1.55	-	-	-	-	1,108.6	169.2	1.70	70	-	30

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, 1988 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 Bbls)	(Cents per 10^6 Btu)	($ per Bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Rochester Gas & Electric Corp	**623.5**	**165.6**	**43.59**	**1.94**	-	-	-	-	-	-	-	100	-	-
Rochester 3 (NY)	179.6	165.3	43.45	1.96	-	-	-	-	-	-	-	100	-	-
Rochester 7 (NY)	443.9	165.8	43.65	1.94	-	-	-	-	-	-	-	100	-	-
Ruston City of	-	-	-	-	-	-	-	-	**2,016.6**	**183.6**	**1.92**	-	-	100
Steam Plant (LA)	-	-	-	-	-	-	-	-	2,016.6	183.6	1.92	-	-	100
S Mississippi Elec Pwr Assn	**749.7**	**200.5**	**50.33**	**.92**	**10.4**	**326.3**	**19.22**	**0.40**	**4,312.1**	**176.9**	**1.79**	**81**	*	**19**
Moselle (MS)	-	-	-	-	.4	74.4	4.20	1.75	4,312.1	176.9	1.79	-	*	100
R D Morrow (MS)	749.7	200.5	50.33	.92	10.0	336.0	19.82	.35	-	-	-	100	*	-
Salt River Proj Ag I & P Dist	**9,102.6**	**123.2**	**26.89**	**.48**	**179.2**	**405.0**	**23.93**	**.33**	**4,670.7**	**214.2**	**2.24**	**97**	**1**	**2**
Agua Fria (AZ)	-	-	-	-	20.9	247.0	15.40	.86	4,462.9	213.9	2.24	-	3	97
Kyrene (AZ)	-	-	-	-	-	-	-	-	207.8	220.5	2.27	-	-	100
Navajo (AZ)	7,168.8	98.5	21.74	.49	91.3	419.0	24.49	.26	-	-	-	100	*	-
Coronado (AZ)	1,933.8	219.5	45.99	.47	67.0	438.3	25.83	.24	-	-	-	99	1	-
San Antonio City of	**3,179.6**	**145.5**	**24.57**	**.36**	-	-	-	-	**52,871.9**	**189.7**	**1.94**	**50**	-	**50**
Leon Creek (TX)	-	-	-	-	-	-	-	-	236.9	180.1	1.85	-	-	100
Mission Rd (TX)	-	-	-	-	-	-	-	-	17.9	193.3	2.05	-	-	100
Sommers (TX)	-	-	-	-	-	-	-	-	27,118.6	187.4	1.91	-	-	100
Braunig (TX)	-	-	-	-	-	-	-	-	23,465.5	192.7	1.97	-	-	100
Tuttle (TX)	-	-	-	-	-	-	-	-	2,033.0	187.0	1.96	-	-	100
J T Deely (TX)	3,179.6	145.5	24.57	.36	-	-	-	-	-	-	-	100	-	-
San Diego Gas & Electric Co	-	-	-	-	**2,079.0**	**257.8**	**15.87**	**.33**	**32,076.0**	**224.8**	**2.32**	-	**28**	**72**
Encina (CA)	-	-	-	-	1,255.0	250.3	15.48	.36	16,885.0	222.4	2.31	-	31	69
South Bay (CA)	-	-	-	-	824.0	269.2	16.47	.27	15,191.0	227.4	2.34	-	24	76
San Miguel Electric Coop Inc	**3,162.8**	**77.8**	**8.08**	**1.69**	**10.4**	**297.5**	**17.39**	**.62**	-	-	-	**100**	*	-
San Miquel (TX)	3,162.8	77.8	8.08	1.69	10.4	297.5	17.39	.62	-	-	-	100	*	-
Savannah Electric & Power Co	**870.3**	**170.2**	**44.07**	**.85**	**70.6**	**240.4**	**14.80**	**2.40**	**1,186.3**	**265.0**	**2.71**	**93**	**2**	**5**
Port Wentworth (GA)	408.7	168.6	43.85	.89	68.7	236.7	14.61	~2.46	809.8	274.1	2.80	89	4	7
Riverside (GA)	-	-	-	-	-	-	-	-	376.4	245.5	2.51	-	-	100
McIntosh (GA)	461.6	171.5	44.27	.81	1.9	380.0	21.73	.00	-	-	-	100	*	-
Seminole Electric Coop Inc	**2,283.0**	**196.3**	**47.15**	**2.86**	**28.0**	**379.1**	**22.05**	**.23**	-	-	-	**100**	*	-
Seminole (FL)	2,283.0	196.3	47.15	2.86	28.0	379.1	22.05	.23	-	-	-	100	*	-
Sierra Pacific Power Co	**1,430.0**	**188.7**	**39.96**	**.42**	**838.0**	**250.0**	**15.60**	**.74**	**4,225.0**	**286.9**	**2.92**	**76**	**13**	**11**
Fort Churchill (NV)	-	-	-	-	409.0	235.9	14.74	.75	2,600.0	288.3	2.93	-	49	51
Tracy (NV)	-	-	-	-	413.0	255.3	15.96	.75	1,625.0	284.8	2.89	-	61	39
North Valmy (NV)	1,430.0	188.7	39.96	.42	16.0	490.3	28.52	.00	-	-	-	100	*	-
Sikeston City of	**604.1**	**156.2**	**35.66**	**2.53**	**3.5**	**333.3**	**19.74**	**1.40**	-	-	-	**100**	*	-
Sikeston (MO)	604.1	156.2	35.66	2.53	3.5	333.3	19.74	1.40	-	-	-	100	*	-
South Carolina Electric&Gas Co	**4,373.8**	**171.8**	**44.31**	**1.18**	**72.5**	**383.6**	**22.23**	**.20**	**1,631.3**	**177.1**	**1.83**	**98**	*	**1**
Canadys (SC)	587.8	166.3	43.13	1.24	3.7	424.4	24.60	.20	226.9	191.5	1.97	98	*	2
Hagood (SC)	-	-	-	-	-	-	-	-	80.6	229.4	2.35	-	-	100
Mcmeekih (SC)	469.1	162.4	43.22	1.41	4.1	368.8	21.37	.20	639.9	165.4	1.72	95	*	5
Urguhart (SC)	391.9	158.9	41.09	1.21	1.3	369.8	21.43	.20	683.7	177.0	1.82	93	*	6
Wateree (SC)	1,469.7	170.4	43.74	1.24	51.2	367.3	21.29	.20	-	-	-	99	1	-
Williams (SC)	1,455.3	182.1	46.59	1.01	12.2	446.2	25.86	.20	.2	548.9	5.62	100	*	*
South Carolina Pub Serv Auth	**4,211.0**	**180.7**	**44.99**	**1.17**	**17.7**	**360.6**	**21.21**	**.10**	-	-	-	**100**	*	-
Cross (SC)	1,343.2	192.2	47.94	1.11	5.2	349.1	20.53	.10	-	-	-	100	*	-
Grainger (SC)	94.5	152.7	38.55	1.93	.4	386.6	22.73	.10	-	-	-	100	*	-
Jefferies (SC)	392.9	182.0	44.82	1.57	1.4	361.4	21.25	.10	-	-	-	100	*	-
Winyah (SC)	2,380.4	175.0	43.61	1.10	10.9	365.2	21.47	.10	-	-	-	100	*	-
Southern California Edison Co	**5,013.3**	**102.2**	**22.49**	**.50**	**5,247.6**	**269.8**	**16.51**	**.21**	**153,387.6**	[2] **329.0**	**3.44**	**36**	**11**	**53**
Alamitos (CA)	-	-	-	-	-	-	-	-	44,976.7	[2] 322.2	3.37	-	-	100
Cool Water (CA)	-	-	-	-	-	-	-	-	2,512.9	241.4	2.53	-	-	100

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, 1988 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 Bbls)	(Cents per 10^6 Btu)	($ per Bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Southern California Edison Co														
El Segundo (CA)	–	–	–	–	–	–	–	–	15,651.0	[2] 345.2	3.59	–	–	100
Etiwanda (CA)	–	–	–	–	–	–	–	–	13,865.8	[2] 345.0	3.55	–	–	100
Highgrove (CA)	–	–	–	–	–	–	–	–	4.9	375.6	3.86	–	–	100
Huntington Beach (CA)	–	–	–	–	–	–	–	–	10,845.4	[2] 302.0	3.16	–	–	100
Mandalay (CA)	–	–	–	–	–	–	–	–	12,242.3	[2] 320.1	3.40	–	–	100
Ormond Beach (CA)	–	–	–	–	–	–	–	–	28,128.9	[2] 352.9	3.68	–	–	100
Redondo (CA)	–	–	–	–	–	–	–	–	22,797.6	[2] 325.7	3.44	–	–	100
San Bernardino (CA)	–	–	–	–	–	–	–	–	210.3	306.5	3.19	–	–	100
Mohave (NV)	5,013.3	102.2	22.49	0.50	–	–	–	–	2,151.6	264.4	2.73	98	–	2
Storage Facility #1	–	–	–	–	5,247.6	269.8	16.51	0.21	–	–	–	–	100	–
Southern Illinois Power Coop	**700.0**	**78.7**	**16.48**	**3.20**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**100**	**–**	**–**
Marion (IL)	700.0	78.7	16.48	3.20	–	–	–	–	–	–	–	100	–	–
Southern Indiana Gas & Elec Co	**2,240.6**	**145.4**	**32.70**	**3.25**	**13.2**	**396.1**	**23.12**	**.39**	**29.9**	**287.9**	**2.95**	**100**	*****	*****
Culley (IN)	997.0	142.4	31.51	2.93	2.1	405.1	23.65	.39	20.1	287.9	2.95	100	*	*
A B Brown (IN)	843.6	162.1	37.37	3.58	11.1	394.4	23.03	.39	–	–	–	100	*	–
Warrick (IN)	400.0	116.1	25.79	3.37	–	–	–	–	9.8	287.8	2.95	100	–	*
Southwestern Electric Power Co	**9,073.0**	**177.1**	**28.39**	**.64**	**32.0**	**474.4**	**27.89**	**.06**	**21,894.0**	**236.2**	**2.29**	**87**	*****	**13**
Arsenal Hill (LA)	–	–	–	–	–	–	–	–	606.0	163.1	1.71	–	–	100
Lieberman (LA)	–	–	–	–	–	–	–	–	4,334.0	266.7	2.86	–	–	100
Knox Lee (TX)	–	–	–	–	–	–	–	–	3,388.0	183.9	1.95	–	–	100
Lone Star (TX)	–	–	–	–	–	–	–	–	1,131.0	345.0	3.01	–	–	100
Wilkes (TX)	–	–	–	–	–	–	–	–	12,379.0	234.8	2.15	–	–	100
Flint Creek (AR)	1,723.0	151.8	25.62	.34	25.0	480.0	28.22	.06	–	–	–	99	1	–
Welsh Station (TX)	4,980.0	203.2	34.30	.34	7.0	454.3	26.71	.06	–	–	–	100	*	–
Pirkey (TX)	2,370.0	131.9	17.97	1.48	–	–	–	–	56.0	247.0	2.66	100	–	*
Southwestern Public Service Co	**7,912.0**	**163.7**	**28.74**	**.35**	**2.0**	**359.2**	**20.97**	**.00**	**27,588.0**	**200.2**	**2.03**	**83**	*****	**17**
Maddox (NM)	–	–	–	–	–	–	–	–	5,317.0	263.1	2.68	–	–	100
Cunningham (NM)	–	–	–	–	–	–	–	–	8,134.0	184.6	1.90	–	–	100
Jones (TX)	–	–	–	–	1.0	359.2	20.97	.00	7,235.0	185.1	1.88	–	*	100
Nichols (TX)	–	–	–	–	–	–	–	–	6,073.0	181.7	1.78	–	–	100
Plant X (TX)	–	–	–	–	1.0	359.2	20.97	.00	400.0	208.7	2.09	–	1	99
Harrington (TX)	4,113.0	156.3	27.60	.35	–	–	–	–	333.0	213.8	2.10	100	–	*
Tolk (TX)	3,799.0	171.6	29.98	.34	–	–	–	–	96.0	221.2	2.23	100	–	*
Springfield City of	**815.1**	**124.2**	**30.15**	**3.52**	**–**	**–**	**–**	**–**	**279.3**	**270.1**	**2.70**	**99**	**–**	**1**
James River (MO)	442.4	124.0	29.91	3.32	–	–	–	–	263.3	269.6	2.69	98	–	2
Southwest (MO)	372.7	124.5	30.43	3.76	–	–	–	–	16.0	279.0	2.81	100	–	*
Springfield City of	**895.0**	**162.3**	**33.63**	**2.97**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**100**	**–**	**–**
Dallman (IL)	825.8	162.3	33.63	2.97	–	–	–	–	–	–	–	100	–	–
Lakeside (IL)	69.2	162.1	33.58	2.98	–	–	–	–	–	–	–	100	–	–
St Joseph Light & Power Co	**183.0**	**134.4**	**33.50**	**3.80**	**54.2**	**200.6**	**12.67**	**1.47**	**176.4**	**260.1**	**2.56**	**90**	**7**	**3**
Lakeroad (MO)	183.0	134.4	33.50	3.80	54.2	200.6	12.67	1.47	176.4	260.1	2.56	90	7	3
Sunflower Electric Coop Inc	**1,000.2**	**98.2**	**16.39**	**.36**	**–**	**–**	**–**	**–**	**112.5**	**182.2**	**1.39**	**99**	**–**	**1**
Holcomb (KS)	1,000.2	98.2	16.39	.36	–	–	–	–	112.5	182.2	1.39	99	–	1
Tallahassee City of	**–**	**–**	**–**	**–**	**222.8**	**198.8**	**12.65**	**1.76**	**13,049.5**	**224.8**	**2.33**	**–**	**9**	**91**
Hopkins (FL)	–	–	–	–	–	–	–	–	12,133.6	225.0	2.33	–	–	100
Purdom (FL)	–	–	–	–	222.8	198.8	12.65	1.76	915.9	223.2	2.32	–	60	40
Tampa Electric Co	**6,748.9**	**176.2**	**43.26**	**2.18**	**100.8**	**350.1**	**20.44**	**.35**	**–**	**–**	**–**	**100**	*****	**–**
Big Bend (FL)	6,005.5	168.3	41.08	2.32	49.4	352.5	20.55	.33	–	–	–	100	*	–
Gannon (FL)	743.4	236.6	61.03	1.11	51.5	347.9	20.33	.38	–	–	–	98	2	–
Taunton City of	**–**	**–**	**–**	**–**	**318.9**	**237.0**	**14.82**	**1.79**	**960.2**	**229.1**	**2.36**	**–**	**67**	**33**
Cleary (MA)	–	–	–	–	318.9	237.0	14.82	1.79	960.2	229.1	2.36	–	67	33
Tennessee Valley Authority	**32,773.7**	**132.0**	**31.21**	**2.44**	**200.1**	**366.2**	**21.23**	**.50**	**–**	**–**	**–**	**100**	*****	**–**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, 1988 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10⁶ Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 Bbls)	(Cents per 10⁶ Btu)	($ per Bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10⁶ Btu)	($ per Mcf)	Coal	Petroleum	Gas
Tennessee Valley Authority														
Colbert (AL)	3,315.3	186.1	43.50	2.21	–	–	–	–	–	–	–	100	–	–
Widows Creek (AL)	1,761.1	127.9	31.56	1.89	33.6	371.2	21.45	0.50	–	–	–	100	*	–
Paradise (KY)	5,918.4	95.9	20.95	4.33	20.8	380.2	22.11	.50	–	–	–	100	*	–
Shawnee (KY)	2,020.2	126.2	31.42	1.25	28.0	415.1	23.86	.50	–	–	–	100	*	–
Allen (TN)	1,563.7	128.0	31.21	2.23	–	–	–	–	–	–	–	100	–	–
Bull Run (TN)	1,716.6	199.3	46.47	.86	39.7	349.5	20.25	.50	–	–	–	99	1	–
Cumberland (TN)	5,760.8	126.9	29.59	2.82	55.8	355.3	20.71	.50	–	–	–	100	*	–
Gallatin (TN)	2,778.6	146.9	35.90	2.79	–	–	–	–	–	–	–	100	–	–
Sevier (TN)	1,762.4	124.2	32.23	1.63	4.8	347.7	20.19	.50	–	–	–	100	*	–
Johnsonville (TN)	2,653.4	116.6	27.35	1.77	–	–	–	–	–	–	–	100	–	–
Kingston (TN)	3,523.1	122.7	30.52	1.29	17.5	340.8	19.71	.50	–	–	–	100	*	–
Texas Municipal Power Agency	**3,444.9**	**140.9**	**13.37**	**1.11**	**4.8**	**358.3**	**21.22**	**.51**	–	–	–	**100**	*	–
Gibbons Creek (TX)	3,444.9	140.9	13.37	1.11	4.8	358.3	21.22	.51	–	–	–	100	*	–
Texas Utilities Electric Co	**29,726.0**	**94.4**	**12.31**	**.73**	**336.3**	**366.3**	**21.92**	**.50**	**357,850.9**	**247.0**	**2.57**	**51**	*	**49**
Dallas (TX)	–	–	–	–	3.0	233.3	14.50	.50	1,128.0	251.6	2.59	–	2	98
Lake Hubbard (TX)	–	–	–	–	50.3	434.4	27.00	.50	29,091.0	246.6	2.57	–	1	99
Mountain Creek (TX)	–	–	–	–	26.0	233.3	14.50	.50	22,671.0	249.8	2.58	–	1	99
North Lake (TX)	–	–	–	–	28.0	478.2	29.72	.50	14,798.0	245.2	2.49	–	1	99
Parkdale (TX)	–	–	–	–	29.0	444.3	27.62	.50	4,662.0	250.0	2.56	–	4	96
Eagle Mountain (TX)	–	–	–	–	–	–	–	–	8,574.0	247.1	2.56	–	–	100
Graham (TX)	–	–	–	–	–	–	–	–	19,494.0	247.3	2.72	–	–	100
Handley (TX)	–	–	–	–	–	–	–	–	23,631.0	246.9	2.56	–	–	100
Morgan Creek (TX)	–	–	–	–	–	–	–	–	31,713.0	247.0	2.56	–	–	100
North Main (TX)	–	–	–	–	1.0	478.1	29.72	.50	739.4	253.8	2.64	–	1	99
Permian Basin (TX)	–	–	–	–	–	–	–	–	28,551.0	247.4	2.53	–	–	100
Big Brown (TX)	5,647.0	83.6	11.39	66	–	–	–	–	442.0	249.1	2.64	99	–	1
Collin (TX)	–	–	–	–	–	–	–	–	1,864.0	246.4	2.57	–	–	100
Lake Creek (TX)	–	–	–	–	.2	340.2	19.72	.50	5,461.0	249.5	2.67	–	*	100
River Crest (TX)	–	–	–	–	–	–	–	–	923.5	247.6	2.63	–	–	100
Stryker (TX)	–	–	–	–	13.6	238.1	14.76	.50	28,755.0	246.0	2.58	–	*	100
Tradinghouse (TX)	–	–	–	–	–	–	–	–	62,867.0	245.7	2.52	–	–	100
Trinidad (TX)	–	–	–	–	.2	340.2	19.72	.50	5,202.0	244.7	2.57	–	*	100
Valley (TX)	–	–	–	–	24.0	347.8	20.16	.50	27,900.0	247.3	2.61	–	*	100
Martin Lake (TX)	12,462.0	98.1	13.24	.88	49.0	348.0	20.17	.50	–	–	–	100	*	–
Monticello (TX)	10,761.0	96.5	11.84	.56	76.0	335.3	19.43	.50	–	–	–	100	*	–
Sandow No 4 (TX)	656.0	88.3	10.84	1.18	6.0	334.9	19.41	.50	–	–	–	100	*	–
Decordova (TX)	–	–	–	–	30.0	376.8	21.84	.50	39,384.0	247.4	2.55	–	*	100
Toledo Edison Co	**1,337.8**	**202.9**	**53.49**	**1.20**	**3.4**	**395.6**	**22.62**	**.00**	**19.7**	**400.8**	**4.07**	**100**	*	*
Acme (OH)	134.4	155.1	40.96	.66	–	–	–	–	19.7	400.8	4.07	99	–	1
Bay Shore (OH)	1,203.4	208.3	54.89	1.26	3.4	395.6	22.62	.00	–	–	–	100	*	–
Tucson Electric Power Co	**348.0**	**264.8**	**54.54**	**.45**	–	–	–	–	**2,172.0**	**245.1**	**2.52**	**76**	–	**24**
Irvington (AZ)	348.0	264.8	54.54	.45	–	–	–	–	2,172.0	245.1	2.52	76	–	24
Union Electric Co	**10,598.0**	**159.0**	**34.32**	**1.71**	**262.0**	**227.3**	**14.09**	**1.32**	**524.0**	**338.4**	**3.45**	**99**	**1**	*
Venice No.2 (IL)	–	–	–	–	2.0	384.0	22.10	.29	424.0	338.2	3.45	–	3	97
Ashley (MO)	–	–	–	–	187.0	185.4	11.95	1.75	–	–	–	–	100	–
Labadie (MO)	4,801.0	149.6	33.78	2.35	48.0	341.4	19.65	.29	–	–	–	100	*	–
Meramec (MO)	632.0	192.9	45.09	1.28	7.0	289.1	11.14	.00	100.0	338.9	3.47	99	*	1
Sioux (MO)	2,072.0	166.8	33.54	1.52	3.0	334.8	19.26	.29	–	–	–	100	*	–
Rush Island (MO)	3,093.0	162.1	33.47	.94	15.0	386.5	22.24	.29	–	–	–	100	*	–
United Illuminating Co	**830.0**	**228.6**	**60.07**	**.52**	**6,463.4**	**229.9**	**14.54**	**.96**	**46.0**	**250.5**	**2.58**	**35**	**65**	*
Bridgeport Harbor (CT)	830.0	228.6	60.07	.52	2,004.6	229.8	14.47	.93	–	–	–	63	37	–
English (CT)	–	–	–	–	127.7	254.1	16.00	.95	–	–	–	–	100	–
New Haven Hbr (CT)	–	–	–	–	4,331.1	229.2	14.53	.96	46.0	250.5	2.58	–	100	*
United Power Assn	**1,120.1**	**103.2**	**13.83**	**.65**	–	–	–	–	–	–	–	**100**	–	–
Stanton (ND)	1,120.1	103.2	13.83	.65	–	–	–	–	–	–	–	100	–	–
Utah Power & Light Co	**9,428.0**	**103.8**	**22.87**	**.55**	**38.0**	**397.3**	**23.36**	**.30**	**185.0**	**367.9**	**3.78**	**100**	*	*

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, 1988 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10⁶ Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 Bbls)	(Cents per 10⁶ Btu)	($ per Bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10⁶ Btu)	($ per Mcf)	Coal	Petroleum	Gas
Utah Power & Light Co														
Carbon (UT)	482.0	183.7	43.30	0.47	–	–	–	–	–	–	–	100	–	–
Naughton (WY)	2,574.0	114.2	21.87	.83	6.0	390.9	22.99	0.30	185.0	367.9	3.78	100	*	*
Emery-Hunter (UT)	3,908.0	90.3	20.19	.47	22.0	396.2	23.29	.30	–	–	–	100	*	–
Huntington (UT)	2,484.0	100.4	23.55	.40	10.0	403.5	23.73	.30	–	–	–	100	*	–
Vero Beach City of	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**1,683.0**	**238.2**	**2.52**	**–**	**–**	**100**
Vero Beach (FL)	–	–	–	–	–	–	–	–	1,683.0	238.2	2.52	–	–	100
Vineland City of	**84.0**	**185.1**	**47.97**	**.91**	**146.7**	**269.3**	**16.81**	**.77**	**–**	**–**	**–**	**70**	**30**	**–**
H M Down (NJ)	84.0	185.1	47.97	.91	146.7	269.3	16.81	.77	–	–	–	70	30	–
Virginia Electric & Power Co	**9,060.0**	**144.9**	**36.58**	**1.32**	**3,199.5**	**237.7**	**14.70**	**1.05**	**700.0**	**204.9**	**2.16**	**92**	**8**	*****
Bremo Bluff (VA)	387.0	162.2	41.21	.88	9.0	329.5	19.38	.40	–	–	–	99	1	–
Chesterfield (VA)	2,286.0	150.8	38.49	.91	47.0	324.1	19.06	.40	–	–	–	100	*	–
Chesapeake Energy (VA)	1,270.0	153.4	39.69	1.04	47.0	325.4	19.13	.40	–	–	–	99	1	–
Possum Point (VA)	538.0	152.8	38.77	.84	17.5	332.1	19.53	.40	–	–	–	99	1	–
Yorktown (VA)	566.0	159.6	41.61	1.32	20.0	350.1	20.58	.40	700.0	204.9	2.16	95	1	5
Mount Storm (WV)	4,013.0	133.6	33.05	1.74	68.0	401.3	23.60	.40	–	–	–	100	*	–
Storage Facility #1	–	–	–	–	2,991.0	230.1	14.27	1.09	–	–	–	–	100	–
West Penn Power Co	**5,008.4**	**130.6**	**32.95**	**2.28**	**26.3**	**400.7**	**23.73**	**.27**	**52.0**	**[2] 447.1**	**4.47**	**100**	*****	*****
Armstrong (PA)	857.5	112.9	28.18	1.89	5.7	414.9	24.57	.27	–	–	–	100	*	–
Hatfield (PA)	3,566.3	136.5	34.74	2.32	10.2	395.8	23.44	.27	–	–	–	100	*	–
Mitchell (PA)	584.6	119.0	29.06	2.59	3.0	481.6	28.52	.27	52.0	[2] 447.1	4.47	100	*	*
Springdale (PA)	–	–	–	–	7.4	364.1	21.56	.27	–	–	–	–	100	–
West Texas Utilities Co	**2,053.1**	**171.8**	**28.79**	**.37**	**60.8**	**321.8**	**18.76**	**.40**	**37,821.8**	**167.7**	**1.71**	**47**	*****	**53**
Oklaunion (TX)	2,053.1	171.8	28.79	.37	60.8	321.8	18.76	.40	–	–	–	99	1	–
Concho (TX)	–	–	–	–	–	–	–	–	258.7	356.1	3.93	–	–	100
Oak Creek (TX)	–	–	–	–	–	–	–	–	3,870.0	202.3	2.20	–	–	100
Paint Creek (TX)	–	–	–	–	–	–	–	–	4,953.0	308.8	3.20	–	–	100
Rio Pecos (TX)	–	–	–	–	–	–	–	–	11,338.1	22.1	.21	–	–	100
San Angelo (TX)	–	–	–	–	–	–	–	–	3,236.3	250.2	2.81	–	–	100
Fort Phantom (TX)	–	–	–	–	–	–	–	–	14,165.7	192.0	1.96	–	–	100
Western Farmers Elec Coop Inc	**1,683.6**	**169.3**	**29.85**	**.35**	**–**	**–**	**–**	**–**	**3,221.0**	**150.0**	**1.57**	**90**	**–**	**10**
Mooreland (OK)	–	–	–	–	–	–	–	–	3,221.0	150.0	1.57	–	–	100
Hugo (OK)	1,683.6	169.3	29.85	.35	–	–	–	–	–	–	–	100	–	–

See footnotes at end of table.

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, 1988 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 Bbls)	(Cents per 10^6 Btu)	($ per Bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Western Massachusetts Elec Co	**–**	**–**	**–**	**–**	**1,064.8**	**241.8**	**15.23**	**1.33**	**1,311.2**	**205.1**	**2.13**	**–**	**83**	**17**
West Springfield (MA)	–	–	–	–	1,064.8	241.8	15.23	1.33	1,311.2	205.1	2.13	–	83	17
Wisconsin Electric Power Co	**8,919.5**	**133.8**	**26.51**	**.74**	**77.3**	**368.2**	**21.20**	**.27**	**–**	**–**	**–**	**100**	*****	**–**
Presque Isle (MI)	1,522.3	159.1	33.74	.65	–	–	–	–	–	–	–	100	–	–
Oak Creek (WI)	1,962.2	169.2	41.50	1.60	–	–	–	–	–	–	–	100	–	–
Port Washington (WI)	199.4	169.4	44.80	1.53	–	–	–	–	–	–	–	100	–	–
Valley (WI)	301.5	187.7	47.47	1.58	–	–	–	–	–	–	–	100	–	–
Pleasant Prairie (WI)	4,934.1	96.4	16.29	.34	–	–	–	–	–	–	–	100	–	–
Storage Facility #1	–	–	–	–	77.3	368.2	21.20	.27	–	–	–	–	100	–
Wisconsin Power & Light Co	**5,684.0**	**161.5**	**30.48**	**.88**	**–**	**–**	**–**	**–**	**142.1**	**344.6**	**3.46**	**100**	**–**	*****
Blackhawk (WI)	–	–	–	–	–	–	–	–	53.0	344.4	3.46	–	–	100
Edgewater (WI)	2,098.0	172.9	34.22	1.16	–	–	–	–	–	–	–	100	–	–
Nelson Dewey (WI)	576.9	136 7	29.56	1.10	–	–	–	–	–	–	–	100	–	–
Rock River (WI)	245.4	155.0	33.02	1.12	–	–	–	–	89.1	344.7	3.46	98	–	2
Columbia (WI)	2,763.8	158.7	27.61	.59	–	–	–	–	–	–	–	100	–	–
Wisconsin Public Service Corp	**2,150.0**	**161.7**	**36.70**	**1.12**	**23.0**	**356.9**	**20.68**	**.22**	**289.5**	**345.8**	**3.48**	**99**	*****	**1**
Pulliam (WI)	681.0	172.0	39.77	2.40	11.0	363.2	21.05	.22	249.0	345.5	3.48	98	*	2
Weston (WI)	1,469.0	187.3	35.27	.53	12.0	351.0	20.35	.22	40.5	347.3	3.49	100	*	*
Wyandotte Municipal Serv Comm	**125.6**	**190.0**	**51.48**	**.66**	**–**	**–**	**–**	**–**	**372.9**	**366.9**	**3.67**	**90**	**–**	**10**
Wyandotte (MI)	125.6	190.0	51.48	.66	–	–	–	–	372.9	366.9	3.67	90	–	10
Total	**728,162.8**	**[2] 146.6**	**30.64**	**1.32**	**236,986.8**	**[2] 243.9**	**15.33**	**.91**	**2,362,720.6**	**[2] 226.3**	**2.33**	**80**	**8**	**13**

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[1] Includes Petroleum Coke, Refuse, Wood Waste, or Coke Breeze.

[2] Includes at least one delivery at a price of 1,000 cents per million Btu or greater. High price is frequently caused when fixed costs are averaged into a small quantity.

* = Number less than 0.5

Notes: • Any nonzero quantity of fossil fuel or percent rounded to zero will appear in the table as an asterisk. Below are the specific fuels which are included in each of the three general fuel categories. Coal: Bituminous, Subbituminous, Lignite, Anthracite, Wood Waste, Petroleum Coke, and Refuse. Petroleum: No. 2, 4, 5, and 6 Fuel Oil, Re-refined Motor Oil, Liquified Petroleum Gas. Gas: Natural, Coke Oven, Refinery, and Blast Furnace. • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Company Fossil Fuel Data 1984-1988

Background

Included in this chapter are electric utilities that are currently reporting on FERC Form 423 and those which at one time filed Form 423 data but ceased reporting as a result of either retirement or derating of units below the minimum 50-megawatt steam capacity. On January 1, 1984, Dallas Power & Light, Texas Electric Service, Texas Power & Light, and Texas Utilities Services, Inc., were merged and became divisions of Texas Utilities Electric Company. Therefore, 1984 through 1987 data for these four companies are shown under Texas Utilities Electric Company, a subsidiary of Texas Utilities Company.

Starting in 1987, Eastern Iowa Light & Power Cooperative data are shown under Central Iowa Power Cooperative. Narragansett Electric Company data are shown under New England Power Company.

Some utilities continue to file FERC Form 423 but show no fossil-fuel purchases for 1 or more years. When no activity is reported during a full year, the following table shows no entry for that year.

Miners are protected by the Thyssen roof supports.

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988

Utility Year	Coal								Heavy Oil							Light Oil		
	Del Quan		Average Quality			Average Price in Dollars per Ton			Del Quan		Average Quality		Average Price in Dollars per Bbl			Del Quan	Btu per Gal	Av. Price $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls		
Alabama Electric Coop Inc																		
1984	1,005	-	12,007	12.1	1.6	-	42.65	42.65	-	-	-	-	-	-	-	6	130,256	36.56
1985	1,031	-	11,866	12.2	1.3	-	41.64	41.64	-	-	-	-	-	-	-	5	130,000	34.49
1986	1,204	-	11,968	12.0	1.3	-	40.66	40.66	-	-	-	-	-	-	-	6	130,000	20.61
1987	1,151	-	11,990	12.0	1.4	-	37.65	37.65	-	-	-	-	-	-	-	5	130,000	22.72
1988	1,192	57.9	12,020	12.4	1.4	40.93	34.78	38.34	-	-	-	-	-	-	-	3	130,000	19.98
Alabama Power Co																		
1984	11,939	100.0	12,122	12.3	1.2	52.00	-	52.00	-	-	-	-	-	-	-	138	139,449	35.99
1985	14,300	89.0	12,184	12.1	1.2	53.75	37.39	51.96	-	-	-	-	-	-	-	197	139,031	34.74
1986	14,758	90.8	12,324	11.7	1.3	52.29	35.60	50.75	-	-	-	-	-	-	-	175	138,792	20.09
1987	13,796	95.6	12,375	11.7	1.2	52.58	31.37	51.63	-	-	-	-	-	-	-	155	138,615	23.38
1988	13,626	94.1	12,270	11.8	1.3	52.43	30.59	51.14	-	-	-	-	-	-	-	103	136,231	20.90
Alamito Co																		
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	143,892	35.59
1985	1,203	100.0	9,544	14.3	.7	38.95	-	38.95	-	-	-	-	-	-	-	40	140,741	35.73
1986	925	100.0	9,522	14.2	.8	36.92	-	36.92	-	-	-	-	-	-	-	15	140,472	24.80
1987	909	100.0	9,617	13.9	.8	34.52	-	34.52	-	-	-	-	-	-	-	7	138,816	24.78
1988	1,249	100.0	9,565	13.9	.8	35.55	-	35.55	-	-	-	-	-	-	-	10	140,377	24.62
Alexandria City of																		
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ames City of																		
1984	193	100.0	8,327	6.4	.5	32.24	-	32.24	-	-	-	-	-	-	-	8	137,300	37.77
1985	138	100.0	8,208	5.9	.5	32.46	-	32.46	-	-	-	-	-	-	-	6	140,017	35.91
1986	143	100.0	8,282	6.4	.6	31.31	-	31.31	-	-	-	-	-	-	-	3	141,600	21.08
1987	140	96.8	8,511	5.1	.3	24.20	20.45	24.08	-	-	-	-	-	-	-	7	141,600	23.71
1988	199	100.0	8,802	4.8	.2	21.45	-	21.45	-	-	-	-	-	-	-	3	141,600	20.34
Appalachian Power Co																		
1984	12,001	88.5	12,450	11.3	.7	47.19	36.50	45.97	-	-	-	-	-	-	-	169	138,361	36.53
1985	9,816	93.6	12,489	10.6	.7	45.58	31.64	44.69	-	-	-	-	-	-	-	121	139,181	35.06
1986	11,742	82.4	12,451	11.0	.7	43.52	30.13	41.17	-	-	-	-	-	-	-	130	138,571	20.24
1987	12,015	84.7	12,515	10.7	.7	42.85	27.87	40.55	-	-	-	-	-	-	-	167	138,523	25.36
1988	8,958	90.5	12,501	11.2	.7	41.54	28.61	40.32	-	-	-	-	-	-	-	102	138,816	23.86
Arizona Electric Pwr Coop Inc																		
1984	759	100.0	10,034	15.3	.7	53.75	-	53.75	-	-	-	-	-	-	-	-	-	-
1985	794	100.0	10,137	15.7	.7	52.42	-	52.42	-	-	-	-	-	-	-	-	-	-
1986	505	84.6	10,205	15.1	.6	53.25	38.78	51.02	-	-	-	-	-	-	-	-	-	-
1987	223	100.0	11,205	14.3	.5	49.35	-	49.35	-	-	-	-	-	-	-	-	-	-
1988	609	100.0	11,984	16.1	.4	40.77	-	40.77	-	-	-	-	-	-	-	-	-	-
Arizona Public Service Co																		
1984	11,408	100.0	9,044	20.1	.7	16.93	-	16.93	-	-	-	-	-	-	-	-	-	-
1985	9,777	100.0	9,125	19.9	.7	20.38	-	20.38	-	-	-	-	-	-	-	27	138,095	34.16
1986	10,119	100.0	9,088	20.0	.7	20.50	-	20.50	-	-	-	-	-	-	-	67	140,340	19.64
1987	11,176	100.0	9,081	20.1	.7	19.95	-	19.95	-	-	-	-	-	-	-	62	138,266	23.14
1988	11,586	100.0	9,029	19.8	.7	20.17	-	20.17	-	-	-	-	-	-	-	15	137,647	24.56
Arkansas Electric Coop Corp																		
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arkansas Power & Light Co																		
1984	8,913	89.8	8,643	5.9	.4	32.60	30.73	32.41	3	100.0	150,751	0.9	23.98	-	23.98	174	136,932	37.07
1985	10,071	100.0	8,660	5.8	.3	27.59	-	27.59	8	100.0	149,712	1.2	24.16	-	24.16	100	136,980	33.56
1986	10,189	100.0	8,718	5.5	.3	27.43	-	27.43	16	100.0	150,005	1.2	10.39	-	10.39	111	136,776	25.75
1987	10,045	98.1	8,727	5.6	.3	27.49	22.67	27.40	-	-	-	-	-	-	-	134	136,739	22.14
1988	10,184	97.8	8,702	5.7	.3	28.05	15.83	27.79	136	100.0	149,980	.5	24.00	-	24.00	80	136,894	30.02

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Alabama Electric Coop Inc																
1984	-	-	-	-	-	-	24,136	34	-	100	0	-	43,095	42,865	230	-
1985	-	-	-	-	-	-	24,472	29	-	100	0	-	43,123	42,941	182	-
1986	-	-	-	-	-	-	28,829	34	-	100	0	-	49,106	48,976	130	-
1987	-	-	-	-	-	-	27,601	27	-	100	0	-	43,449	43,335	114	-
1988	-	-	-	-	-	-	28,660	19	-	100	0	-	45,781	45,712	69	-
Alabama Power Co																
1984	276	1,124	4.47	3.59	3.66	91.9	289,451	808	310	100	0	0	626,786	620,807	4,967	1,012
1985	976	1,099	3.78	3.43	3.48	83.2	348,462	1,151	1,073	99	0	0	753,234	742,985	6,847	3,402
1986	687	1,091	2.90	2.56	2.69	61.2	363,773	1,017	749	100	0	0	754,294	748,939	3,506	1,850
1987	858	1,054	2.22	2.18	2.22	23.5	341,442	900	904	99	0	0	717,869	712,353	3,615	1,901
1988	1,080	1,039	2.15	-	2.15	-	334,395	591	1,122	99	0	0	701,324	696,843	2,158	2,322
Alamito Co																
1984	-	-	-	-	-	-	-	191	-	-	100	-	1,124	-	1,124	-
1985	-	-	-	-	-	-	22,968	238	-	99	1	-	48,302	46,864	1,438	-
1986	-	-	-	-	-	-	17,611	87	-	100	0	-	34,504	34,140	365	-
1987	-	-	-	-	-	-	17,478	42	-	100	0	-	31,545	31,365	179	-
1988	-	-	-	-	-	-	23,904	59	-	100	0	-	44,666	44,420	246	-
Alexandria City of																
1984	1,203	1,025	4.33	-	4.33	-	-	-	1,233	-	-	100	5,202	-	-	5,202
1985	1,804	1,023	3.43	-	3.43	-	-	-	1,845	-	-	100	6,197	-	-	6,197
1986	1,627	1,027	2.13	-	2.13	-	-	-	1,671	-	-	100	3,474	-	-	3,474
1987	1,164	1,027	1.95	-	1.95	-	-	-	1,196	-	-	100	2,266	-	-	2,266
1988	1,261	1,026	1.94	2.08	2.01	49.4	-	-	1,294	-	-	100	2,532	-	-	2,532
Ames City of																
1984	-	-	-	-	-	-	3,219	46	-	99	1	-	6,537	6,233	304	-
1985	-	-	-	-	-	-	2,265	35	-	98	2	-	4,691	4,479	213	-
1986	-	-	-	-	-	-	2,364	17	-	99	1	-	4,530	4,468	62	-
1987	-	-	-	-	-	-	2,388	40	-	98	2	-	3,536	3,378	158	-
1988	-	-	-	-	-	-	3,512	17	-	100	0	-	4,337	4,279	59	-
Appalachian Power Co																
1984	-	-	-	-	-	-	298,830	983	-	100	0	-	557,802	551,621	6,181	-
1985	-	-	-	-	-	-	245,191	708	-	100	0	-	442,972	438,726	4,246	-
1986	-	-	-	-	-	-	292,417	760	-	100	0	-	486,048	483,407	2,641	-
1987	-	-	-	-	-	-	300,727	1,087	-	100	0	-	491,957	487,219	4,738	-
1988	-	-	-	-	-	-	223,952	594	-	100	0	-	363,576	361,147	2,429	-
Arizona Electric Pwr Coop Inc																
1984	745	1,042	4.19	-	4.19	-	15,237	-	776	95	-	5	43,931	40,810	-	3,121
1985	762	1,040	3.91	-	3.91	-	16,107	-	793	95	-	5	44,624	41,643	-	2,981
1986	1,518	1,030	1.98	-	1.98	-	10,300	-	1,564	87	-	13	28,749	25,746	-	3,002
1987	4,259	1,032	1.89	-	1.89	-	4,993	-	4,394	53	-	47	19,041	10,995	-	8,046
1988	2,370	1,029	2.14	-	2.14	-	14,601	-	2,438	86	-	14	29,900	24,836	-	5,064
Arizona Public Service Co																
1984	3,503	1,042	-	4.14	4.14	100.0	206,356	-	3,651	98	-	2	207,653	193,133	-	14,521
1985	7,060	1,053	-	3.94	3.94	100.0	178,427	158	7,434	96	0	4	228,034	199,267	929	27,838
1986	6,731	1,041	-	2.52	2.52	100.0	183,913	395	7,010	96	0	4	225,748	207,452	1,316	16,980
1987	2,705	1,028	-	2.35	2.35	100.0	202,978	362	2,780	98	0	1	230,777	222,970	1,444	6,362
1988	2,383	1,025	2.46	2.87	2.60	34.6	209,219	84	2,443	99	0	1	240,258	233,703	356	6,198
Arkansas Electric Coop Corp																
1984	358	1,025	-	4.21	4.21	100.0	-	-	367	-	-	100	1,507	-	-	1,507
1985	873	1,024	-	4.22	4.22	100.0	-	-	894	-	-	100	3,885	-	-	3,885
Arkansas Power & Light Co																
1984	24,907	1,038	3.96	1.62	3.49	20.1	154,081	1,021	25,843	85	1	14	382,329	288,896	6,524	86,909
1985	11,228	1,057	3.85	1.65	2.88	43.9	174,434	628	11,868	93	0	6	313,715	277,813	3,557	32,345
1986	28,445	1,053	1.67	1.48	1.64	16.3	177,658	739	29,951	85	0	14	329,240	279,517	3,034	46,689
1987	32,066	1,031	1.64	1.06	1.57	12.1	175,332	772	33,065	84	0	16	328,513	275,212	2,975	50,325
1988	21,976	1,029	1.48	.91	1.39	16.4	177,241	1,313	22,611	88	1	11	319,152	282,967	5,651	30,535

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Del Quan		Average Quality			Average Price in Dollars per Ton			Del Quan		Average Quality		Average Price in Dollars per Bbl			Del Quan	Btu per Gal	Av. Price $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls		
Associated Electric Coop Inc																		
1984	6,643	65.8	10,489	11.9	3.8	31.16	30.06	30.79	-	-	-	-	-	-	-	-	-	-
1985	4,796	100.0	10,600	10.7	3.7	33.10	-	33.10	-	-	-	-	-	-	-	-	-	-
1986	4,613	94.0	10,697	10.3	3.8	31.89	27.93	31.65	-	-	-	-	-	-	-	-	-	-
1987	5,111	100.0	10,664	10.4	4.0	29.96	-	29.96	-	-	-	-	-	-	-	-	-	-
1988	5,026	100.0	10,671	10.0	3.9	28.72	-	28.72	-	-	-	-	-	-	-	-	-	-
Atlantic City Electric Co																		
1984	795	91.1	12,990	9.9	2.8	44.98	49.81	45.41	1,604	100.0	150,787	0.9	30.12	-	30.12	-	-	-
1985	702	92.9	13,003	9.8	2.6	44.84	50.34	45.23	714	100.0	149,840	.7	25.06	-	25.06	-	-	-
1986	568	88.6	12,982	9.9	2.6	45.17	46.92	45.37	899	100.0	150,949	.9	15.38	-	15.38	-	-	-
1987	616	89.0	13,045	9.8	2.7	43.86	44.19	43.90	1,140	100.0	151,359	.9	18.78	-	18.78	-	-	-
1988	622	84.7	13,118	9.4	2.6	44.84	44.64	44.81	963	100.0	150,379	.8	15.03	-	15.03	-	-	-
Austin City of																		
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	130,000	34.43
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	137,000	33.60
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Baltimore Gas & Electric Co																		
1984	2,231	55.4	12,990	8.5	1.2	51.97	46.34	49.46	2,364	100.0	150,248	1.0	29.88	-	29.88	16	138,828	34.77
1985	1,984	68.4	12,982	8.8	1.0	50.00	44.23	48.18	1,769	99.2	150,587	1.0	25.57	25.56	25.57	22	138,980	33.04
1986	2,709	67.0	12,903	8.9	1.0	45.98	42.35	44.78	1,062	95.3	150,805	1.0	14.26	12.87	14.20	16	139,174	19.11
1987	2,629	69.0	12,897	9.2	1.1	41.84	41.41	41.71	2,095	77.3	149,624	1.0	18.69	19.88	18.96	1	138,976	23.61
1988	3,195	69.9	12,940	9.0	1.0	40.62	40.37	40.55	1,886	97.2	150,010	1.0	14.69	14.71	14.69	-	-	-
Bangor Hydro-Electric Co																		
1984	-	-	-	-	-	-	-	-	56	100.0	150,683	2.4	31.77	-	31.77	-	-	-
1985	-	-	-	-	-	-	-	-	86	100.0	149,704	2.4	27.22	-	27.22	-	-	-
1986	-	-	-	-	-	-	-	-	116	100.0	150,392	2.3	16.87	-	16.87	-	-	-
1987	-	-	-	-	-	-	-	-	88	100.0	150,352	2.1	18.72	-	18.72	-	-	-
1988	-	-	-	-	-	-	-	-	95	100.0	150,404	1.1	17.83	-	17.83	-	-	-
Basin Electric Power Coop																		
1984	9,343	100.0	7,626	7.1	.5	13.74	-	13.74	-	-	-	-	-	-	-	96	137,883	33.13
1985	10,996	100.0	7,476	7.2	.5	12.38	-	12.38	-	-	-	-	-	-	-	101	137,883	32.95
1986	10,921	100.0	7,506	6.8	.5	11.69	-	11.69	-	-	-	-	-	-	-	62	137,883	22.32
1987	12,911	100.0	7,460	7.0	.5	10.97	-	10.97	-	-	-	-	-	-	-	54	137,883	24.07
1988	14,867	99.8	7,491	7.2	.5	10.61	12.05	10.61	-	-	-	-	-	-	-	49	137,883	21.69
Big Rivers Electric Corp																		
1984	4,851	88.2	11,011	12.1	2.9	29.33	26.04	28.94	-	-	-	-	-	-	-	73	136,000	34.95
1985	4,806	93.1	11,117	12.1	3.1	29.42	24.32	29.07	-	-	-	-	-	-	-	39	138,000	33.98
1986	4,443	98.9	11,010	12.1	3.0	27.06	22.02	27.01	-	-	-	-	-	-	-	29	138,000	18.10
1987	5,056	99.4	11,169	12.1	3.1	27.26	18.04	27.20	-	-	-	-	-	-	-	30	138,000	23.17
1988	5,019	99.1	11,191	12.1	3.2	27.50	19.70	27.43	-	-	-	-	-	-	-	20	138,000	21.27
Boston Edison Co																		
1984	-	-	-	-	-	-	-	-	9,161	79.6	148,989	1.1	29.29	29.19	29.27	-	-	-
1985	-	-	-	-	-	-	-	-	6,537	76.4	150,747	1.3	26.03	24.77	25.73	-	-	-
1986	-	-	-	-	-	-	-	-	12,657	61.2	149,582	1.1	15.35	12.78	14.35	-	-	-
1987	-	-	-	-	-	-	-	-	10,647	55.1	150,895	1.0	17.78	17.36	17.59	-	-	-
1988	-	-	-	-	-	-	-	-	11,342	33.8	150,271	.9	14.05	13.93	13.97	-	-	-
Brazos Electric Power Coop Inc																		
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Associated Electric Coop Inc																
1984	–	–	–	–	–	–	139,344	–	–	100	–	–	204,504	204,504	–	–
1985	–	–	–	–	–	–	101,680	–	–	100	–	–	158,779	158,779	–	–
1986	–	–	–	–	–	–	98,696	–	–	100	–	–	146,010	146,010	–	–
1987	–	–	–	–	–	–	108,999	–	–	100	–	–	153,096	153,096	–	–
1988	–	–	–	–	–	–	107,277	–	–	100	–	–	144,371	144,371	–	–
Atlantic City Electric Co																
1984	–	–	–	–	–	–	20,662	10,156	–	67	33	–	84,422	36,117	48,305	–
1985	–	–	–	–	–	–	18,257	4,493	–	80	20	–	49,645	31,749	17,896	–
1986	–	–	–	–	–	–	15,267	5,700	–	73	27	–	40,509	26,680	13,830	–
1987	–	–	–	–	–	–	16,071	7,247	–	69	31	–	48,457	27,043	21,414	–
1988	–	–	–	–	–	–	16,319	6,082	–	73	27	–	42,342	27,872	14,470	–
Austin City of																
1984	21,726	1,005	–	4.26	4.26	100.0	–	7	21,842	–	0	100	92,668	–	46	92,623
1985	23,946	1,021	–	3.66	3.66	100.0	–	13	24,439	–	0	100	87,688	–	76	87,612
1986	24,481	1,015	–	2.37	2.37	100.0	–	–	24,853	–	–	100	58,098	–	–	58,098
1987	16,994	1,018	–	2.16	2.16	100.0	–	–	17,300	–	–	100	36,747	–	–	36,747
1988	19,314	1,027	–	1.91	1.91	100.0	–	–	19,828	–	–	100	36,898	–	–	36,898
Baltimore Gas & Electric Co																
1984	–	–	–	–	–	–	57,959	15,011	–	79	21	–	181,529	110,341	71,189	–
1985	–	–	–	–	–	–	51,514	11,317	–	82	18	–	141,549	95,590	45,958	–
1986	–	–	–	–	–	–	69,907	6,820	–	91	9	–	136,706	121,321	15,385	–
1987	1,854	1,042	2.77	–	2.77	–	67,811	13,171	1,932	82	16	2	154,534	109,647	39,753	5,134
1988	2,306	1,043	3.05	2.38	2.90	22.6	82,687	11,883	2,405	85	12	2	163,937	129,543	27,699	6,695
Bangor Hydro-Electric Co																
1984	–	–	–	–	–	–	–	355	–	–	100	–	1,782	–	1,782	–
1985	–	–	–	–	–	–	–	542	–	–	100	–	2,345	–	2,345	–
1986	–	–	–	–	–	–	–	732	–	–	100	–	1,956	–	1,956	–
1987	–	–	–	–	–	–	–	554	–	–	100	–	1,643	–	1,643	–
1988	–	–	–	–	–	–	–	600	–	–	100	–	1,694	–	1,694	–
Basin Electric Power Coop																
1984	–	–	–	–	–	–	142,490	555	–	100	0	–	131,532	128,358	3,174	–
1985	–	–	–	–	–	–	164,405	583	–	100	0	–	139,409	136,091	3,318	–
1986	–	–	–	–	–	–	163,950	361	–	100	0	–	129,095	127,702	1,393	–
1987	–	–	–	–	–	–	192,636	313	–	100	0	–	142,914	141,614	1,300	–
1988	–	–	–	–	–	–	222,724	286	–	100	0	–	158,839	157,770	1,069	–
Big Rivers Electric Corp																
1984	57	1,000	4.37	–	4.37	–	106,833	420	57	100	0	0	143,204	140,386	2,569	249
1985	28	1,000	4.40	4.31	4.34	70.5	106,850	227	28	100	0	0	141,158	139,702	1,332	124
1986	50	1,000	–	3.80	3.80	100.0	97,844	166	50	100	0	0	120,699	119,991	518	189
1987	45	1,000	–	3.38	3.38	100.0	112,939	172	45	100	0	0	138,370	137,528	688	154
1988	27	1,000	–	3.14	3.14	100.0	112,349	117	27	100	0	0	138,180	137,664	430	86
Boston Edison Co																
1984	19,810	1,077	4.25	7.81	4.26	.3	–	57,325	21,332	–	73	27	352,458	–	268,146	84,312
1985	33,681	1,043	3.50	7.34	3.51	.2	–	41,389	35,130	–	54	46	286,372	–	168,201	118,171
1986	8,583	1,032	2.31	6.44	2.35	1.0	–	79,518	8,856	–	90	10	201,825	–	181,671	20,154
1987	23,358	1,031	2.37	5.72	2.38	.5	–	67,479	24,078	–	74	26	243,031	–	187,325	55,706
1988	9,013	1,034	5.99	2.29	2.29	100.0	–	71,586	9,323	–	88	12	179,080	–	158,442	20,637
Brazos Electric Power Coop Inc																
1984	13,672	1,010	3.41	3.95	3.87	85.2	–	–	13,812	–	–	100	52,928	–	–	52,928
1985	17,939	1,025	–	3.38	3.38	100.0	–	–	18,392	–	–	100	60,661	–	–	60,661
1986	14,572	1,015	1.53	2.91	2.69	84.1	–	–	14,788	–	–	100	39,247	–	–	39,247
1987	14,840	1,019	1.61	3.00	2.33	51.9	–	–	15,117	–	–	100	34,600	–	–	34,600
1988	12,844	1,014	1.76	2.01	1.91	57.8	–	–	13,020	–	–	100	24,472	–	–	24,472

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Del Quan		Average Quality			Average Price in Dollars per Ton			Del Quan		Average Quality		Average Price in Dollars per Bbl			Del Quan	Btu per Gal	Av. Price $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls		
Bryan City of																		
1984	-	-	-	-	-	-	-	-	[3] 40	-	121,674	0.7	-	23.62	23.62	-	-	-
1985	-	-	-	-	-	-	-	-	16	-	143,706	.2	-	26.34	26.34	16	136,286	30.77
1986	-	-	-	-	-	-	-	-	1	-	143,599	.1	-	25.99	25.99	-	-	-
1987	-	-	-	-	-	-	-	-	1	-	144,870	.1	-	15.95	15.95	-	-	-
1988	-	-	-	-	-	-	-	-	7	-	147,712	.2	-	15.96	15.96	-	-	-
Burbank City of																		
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	27	-	148,157	.3	-	17.75	17.75	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	17	-	146,745	.0	-	19.81	19.81	-	-	-
Cajun Electric Power Coop Inc																		
1984	4,217	100.0	8,382	6.0	0.5	38.37	-	38.37	-	-	-	-	-	-	-	80	140,000	34.02
1985	4,235	100.0	8,366	6.4	.5	37.97	-	37.97	-	-	-	-	-	-	-	44	140,000	33.51
1986	4,124	100.0	8,407	6.0	.5	32.27	-	32.27	-	-	-	-	-	-	-	41	140,000	18.31
1987	3,796	100.0	8,621	5.7	.5	28.70	-	28.70	-	-	-	-	-	-	-	46	140,000	22.06
1988	5,129	81.4	8,559	5.8	.5	25.27	20.69	24.42	-	-	-	-	-	-	-	72	140,000	19.20
Cambridge Electric Light Co																		
1984	-	-	-	-	-	-	-	-	101	100.0	149,022	.5	32.16	-	32.16	-	-	-
1985	-	-	-	-	-	-	-	-	150	97.3	148,885	.5	30.51	27.83	30.44	-	-	-
1986	-	-	-	-	-	-	-	-	428	100.0	149,075	.5	18.20	-	18.20	-	-	-
1987	-	-	-	-	-	-	-	-	123	100.0	150,251	.5	20.53	-	20.53	-	-	-
1988	-	-	-	-	-	-	-	-	311	100.0	149,526	.5	17.96	-	17.96	-	-	-
Canal Electric Co																		
1984	-	-	-	-	-	-	-	-	9,476	100.0	150,412	2.1	28.75	-	28.75	-	-	-
1985	-	-	-	-	-	-	-	-	8,732	95.6	151,174	2.2	24.90	23.20	24.82	-	-	-
1986	-	-	-	-	-	-	-	-	9,552	92.3	152,037	2.0	13.85	17.84	14.16	-	-	-
1987	-	-	-	-	-	-	-	-	8,724	100.0	151,387	2.1	17.48	-	17.48	-	-	-
1988	-	-	-	-	-	-	-	-	9,458	99.1	149,925	2.1	12.86	14.19	12.87	-	-	-
Cardinal Operating Co																		
1984	4,569	90.6	11,639	13.6	2.1	39.67	37.02	39.42	-	-	-	-	-	-	-	64	139,396	35.12
1985	3,855	100.0	11,593	13.5	2.2	39.13	-	39.13	-	-	-	-	-	-	-	77	139,377	33.50
1986	3,906	98.1	11,689	13.4	2.2	38.64	28.99	38.45	-	-	-	-	-	-	-	74	139,023	18.40
1987	3,854	93.4	11,782	13.6	2.2	38.35	28.16	37.68	-	-	-	-	-	-	-	49	139,706	23.36
1988	3,595	95.5	11,810	13.2	2.3	37.02	26.71	36.56	-	-	-	-	-	-	-	36	139,624	20.08
Carolina Power & Light Co																		
1984	11,448	89.1	12,516	10.2	.9	49.24	39.31	48.16	-	-	-	-	-	-	-	117	138,000	34.63
1985	9,362	98.3	12,511	9.9	.8	50.37	38.95	50.18	-	-	-	-	-	-	-	118	138,000	32.99
1986	9,915	88.2	12,563	9.6	.9	47.92	35.48	46.45	-	-	-	-	-	-	-	105	138,000	19.52
1987	9,709	89.6	12,585	9.5	.9	45.83	36.02	44.80	-	-	-	-	-	-	-	148	138,000	22.85
1988	8,768	99.0	12,599	10.0	.9	44.78	36.21	44.69	-	-	-	-	-	-	-	134	138,000	19.87
Cedar Falls City of																		
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	16	-	10,912	8.8	1.7	-	31.28	31.28	-	-	-	-	-	-	-	-	-	-
1987	27	-	11,149	9.8	2.5	-	27.76	27.76	-	-	-	-	-	-	-	-	-	-
1988	35	-	12,011	10.7	3.4	-	28.72	28.72	-	-	-	-	-	-	-	-	-	-
Centel Corp																		
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Per-cent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			In-ter-upt	Firm	Total		Coal	Pet-rol-eum	Gas	Coal	Pet-rol-eum	Gas	Total	Coal	Pet-rol-eum	Gas
Bryan City of																
1984	2,634	1,037	4.15	–	4.15	–	–	202	2,731	–	7	93	11,872	–	933	10,939
1985	3,496	1,075	3.44	–	3.44	–	–	188	3,759	–	5	95	12,942	–	912	12,030
1986	4,116	1,046	1.70	–	1.70	–	–	7	4,306	–	0	100	7,023	–	28	6,995
1987	4,382	1,041	1.65	–	1.65	–	–	7	4,560	–	0	100	7,242	–	18	7,224
1988	4,729	1,062	1.82	–	1.82	–	–	44	5,023	–	1	99	8,706	–	113	8,593
Burbank City of																
1984	2,981	1,062	5.23	–	5.23	–	–	–	3,165	–	–	100	15,604	–	–	15,604
1985	2,074	1,083	4.81	–	4.81	–	–	–	2,245	–	–	100	9,981	–	–	9,981
1986	2,688	1,081	2.56	–	2.56	–	–	168	2,906	–	5	95	7,362	–	479	6,883
1987	3,323	1,057	2.57	–	2.57	–	–	–	3,512	–	–	100	8,548	–	–	8,548
1988	3,821	1,036	2.67	–	2.67	–	–	105	3,957	–	3	97	10,556	–	337	10,219
Cajun Electric Power Coop Inc																
1984	3,050	1,088	–	0.35	.35	100.0	70,699	470	3,318	95	1	4	165,604	161,807	2,721	1,076
1985	1,962	1,068	–	.35	.35	100.0	71,026	261	2,096	97	0	3	162,974	160,808	1,487	679
1986	3,514	1,064	–	1.23	1.23	100.0	69,342	240	3,739	95	0	5	138,155	133,080	746	4,328
1987	1,843	1,047	1.66	–	1.66	–	65,459	272	1,929	97	0	3	113,035	108,953	1,022	3,061
1988	7,269	1,055	1.92	–	1.92	–	87,797	422	7,668	92	0	8	140,609	125,246	1,379	13,984
Cambridge Electric Light Co																
1984	2,159	1,000	4.45	–	4.45	–	–	630	2,159	–	23	77	12,835	–	3,235	9,600
1985	1,991	1,000	3.76	–	3.76	–	–	938	1,991	–	32	68	12,058	–	4,566	7,492
1986	612	1,000	2.49	–	2.49	–	–	2,680	612	–	81	19	9,312	–	7,790	1,522
1987	2,774	1,000	2.85	–	2.85	–	–	776	2,774	–	22	78	10,428	–	2,526	7,903
1988	1,469	1,000	2.36	–	2.36	–	–	1,953	1,469	–	57	43	9,049	–	5,585	3,463
Canal Electric Co																
1984	–	–	–	–	–	–	–	59,863	–	–	100	–	272,401	–	272,401	–
1985	–	–	–	–	–	–	–	55,442	–	–	100	–	216,738	–	216,738	–
1986	–	–	–	–	–	–	–	60,995	–	–	100	–	135,233	–	135,233	–
1987	–	–	–	–	–	–	–	55,469	–	–	100	–	152,482	–	152,482	–
1988	–	–	–	–	–	–	–	59,556	–	–	100	–	121,740	–	121,740	–
Cardinal Operating Co																
1984	–	–	–	–	–	–	106,357	376	–	100	0	–	182,377	180,119	2,258	–
1985	–	–	–	–	–	–	89,386	448	–	100	0	–	153,415	150,849	2,566	–
1986	–	–	–	–	–	–	91,312	434	–	100	0	–	151,561	150,194	1,367	–
1987	–	–	–	–	–	–	90,811	285	–	100	0	–	146,343	145,208	1,135	–
1988	–	–	–	–	–	–	84,913	211	–	100	0	–	132,170	131,450	721	–
Carolina Power & Light Co																
1984	–	–	–	–	–	–	286,566	679	–	100	0	–	555,354	551,295	4,059	–
1985	–	–	–	–	–	–	234,266	685	–	100	0	–	473,693	469,794	3,900	–
1986	–	–	–	–	–	–	249,135	606	–	100	0	–	462,646	460,604	2,042	–
1987	–	–	–	–	–	–	244,397	856	–	100	0	–	438,393	435,018	3,375	–
1988	–	–	–	–	–	–	220,950	776	–	100	0	–	394,561	391,902	2,659	–
Cedar Falls City of																
1984	9	987	–	3.79	3.79	100.0	–	–	8	–	–	100	33	–	–	33
1985	4	994	–	4.30	4.30	100.0	–	–	4	–	–	100	16	–	–	16
1986	4	996	–	4.00	4.00	100.0	338	–	4	99	–	1	503	485	–	18
1987	7	1,000	2.53	3.46	3.32	85.2	592	–	7	99	–	1	761	737	–	24
1988	6	1,000	2.09	3.47	3.12	74.9	845	–	6	99	–	1	1,029	1,010	–	19
Centel Corp																
1984	3,320	978	3.50	3.21	3.24	89.5	–	–	3,247	–	–	100	10,750	–	–	10,750
1985	2,238	957	2.78	3.23	2.90	25.8	–	–	2,141	–	–	100	6,480	–	–	6,480
1986	1,917	954	2.45	2.45	2.45	24.4	–	–	1,828	–	–	100	4,702	–	–	4,702
1987	2,256	978	1.91	2.59	2.08	25.4	–	–	2,207	–	–	100	4,703	–	–	4,703
1988	2,166	1,002	1.75	2.08	1.89	43.8	–	–	2,171	–	–	100	4,103	–	–	4,103

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Raport of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Del Quan		Average Quality			Average Price in Dollars per Ton			Del Quan		Average Quality		Average Price in Dollars per Bbl			Del Quan	Btu per Gal	Av. Price $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls		
Central Electric Pwr Coop-MO																		
1984	234	-	10,897	12.7	3.6	-	30.90	30.90	-	-	-	-	-	-	-	-	-	-
1985	125	-	11,503	9.7	3.1	-	27.34	27.34	-	-	-	-	-	-	-	-	-	-
1986	63	-	11,065	10.4	2.9	-	24.89	24.89	-	-	-	-	-	-	-	-	-	-
1987	91	-	11,159	9.7	2.9	-	25.65	25.65	-	-	-	-	-	-	-	-	-	-
1988	[1] 135	-	11,208	9.0	2.8	-	25.99	25.99	-	-	-	-	-	-	-	-	-	-
Central Hudson Gas & Elec Corp																		
1984	-	-	-	-	-	-	-	-	12,049	100.0	150,304	1.7	29.67	-	29.67	47	139,500	37.12
1985	-	-	-	-	-	-	-	-	10,209	93.7	150,675	1.4	26.15	25.92	26.14	52	139,500	35.07
1986	1	100.0	13,299	6.7	.6	52.13	-	52.13	11,455	97.2	150,406	1.3	15.72	17.08	15.76	44	139,500	21.97
1987	467	100.0	13,266	7.7	.6	49.85	-	49.85	8,387	91.8	151,065	1.3	18.95	18.66	18.93	51	139,500	23.84
1988	950	100.0	13,078	8.5	.6	49.99	-	49.99	[2] 9,842	91.2	151,175	1.3	14.62	15.22	14.68	32	139,500	22.63
Central Illinois Light Co																		
1984	2,214	100.0	12,106	6.9	1.9	50.05	-	50.05	-	-	-	-	-	-	-	20	137,526	37.38
1985	2,025	100.0	11,943	6.9	2.0	49.36	-	49.36	-	-	-	-	-	-	-	13	137,102	34.94
1986	2,153	100.0	12,028	6.8	2.0	46.23	-	46.23	-	-	-	-	-	-	-	21	137,888	21.89
1987	2,209	80.4	12,018	7.1	1.9	46.10	37.02	44.32	-	-	-	-	-	-	-	15	138,374	24.61
1988	2,112	89.2	11,935	7.3	2.0	44.52	35.69	43.57	-	-	-	-	-	-	-	15	137,469	27.94
Central Illinois Pub Serv Co																		
1984	5,349	78.0	11,098	9.3	2.8	39.06	35.24	38.22	-	-	-	-	-	-	-	55	137,156	38.23
1985	4,694	93.9	11,051	9.1	2.8	38.94	35.04	38.70	-	-	-	-	-	-	-	50	136,592	37.21
1986	4,923	93.5	11,086	8.9	2.8	38.55	26.01	37.74	67	100.0	157,149	.4	11.51	-	11.51	42	137,435	21.44
1987	4,793	94.2	11,145	9.4	2.8	37.91	33.18	37.64	-	-	-	-	-	-	-	55	136,772	24.46
1988	4,277	99.6	11,079	9.3	2.8	34.02	45.26	34.07	-	-	-	-	-	-	-	60	136,984	21.92
Central Iowa Power Coop																		
1987	167	45.0	11,588	10.6	2.8	29.72	23.09	26.08	-	-	-	-	-	-	-	-	-	-
1988	167	45.5	11,343	10.3	2.8	31.10	22.50	26.41	-	-	-	-	-	-	-	-	-	-
Central Louisiana Elec Co Inc																		
1984	1,854	100.0	8,625	5.9	.4	39.31	-	39.31	-	-	-	-	-	-	-	-	-	-
1985	1,981	100.0	8,411	6.8	.5	32.85	-	32.85	-	-	-	-	-	-	-	-	-	-
1986	3,666	100.0	7,506	10.2	.5	23.21	-	23.21	-	-	-	-	-	-	-	-	-	-
1987	4,650	100.0	7,590	9.6	.5	22.48	-	22.48	-	-	-	-	-	-	-	-	-	-
1988	4,901	100.0	7,614	9.5	.5	22.66	-	22.66	-	-	-	-	-	-	-	-	-	-
Central Maine Power Co																		
1984	-	-	-	-	-	-	-	-	3,486	70.5	149,901	.8	31.32	30.93	31.21	24	138,241	36.75
1985	-	-	-	-	-	-	-	-	2,893	89.5	150,693	.9	26.93	24.24	26.64	21	139,478	34.48
1986	-	-	-	-	-	-	-	-	4,460	80.4	149,877	.9	14.02	18.95	14.99	19	139,100	20.39
1987	-	-	-	-	-	-	-	-	3,958	100.0	150,715	.9	18.56	-	18.56	16	139,047	24.47
1988	-	-	-	-	-	-	-	-	5,013	100.0	149,132	.8	14.65	-	14.65	12	138,958	25.85
Central Nebraska Pub P&I Dist																		
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	17	-	150,000	1.2	-	14.60	14.60	-	-	-
1987	-	-	-	-	-	-	-	-	22	-	150,000	1.3	-	14.41	14.41	-	-	-
1988	-	-	-	-	-	-	-	-	94	-	150,000	1.1	-	14.73	14.73	-	-	-
Central Operating Co																		
1984	1,411	73.2	11,938	13.2	.9	50.24	34.44	46.01	-	-	-	-	-	-	-	29	137,030	37.05
1985	1,290	65.8	12,434	10.8	1.0	48.12	31.85	42.56	-	-	-	-	-	-	-	31	137,579	35.15
1986	1,831	66.3	12,352	11.4	1.0	45.69	29.06	40.09	-	-	-	-	-	-	-	32	137,440	20.29
1987	1,699	35.5	12,477	10.7	1.1	45.17	27.49	33.76	-	-	-	-	-	-	-	30	138,062	25.75
1988	1,102	73.8	12,458	10.8	.9	46.24	28.07	41.49	-	-	-	-	-	-	-	0	137,907	40.77
Central Power & Light Co																		
1984	1,773	76.5	11,136	6.8	.4	56.69	46.25	54.24	[3] 31	-	152,800	.0	-	31.50	31.50	-	-	-
1985	1,629	83.3	11,044	6.0	.4	60.70	48.12	58.60	-	-	-	-	-	-	-	-	-	-
1986	1,792	84.3	10,764	5.2	.3	49.61	37.84	47.76	-	-	-	-	-	-	-	-	-	-
1987	1,958	76.9	10,802	5.6	.4	47.10	35.69	44.47	-	-	-	-	-	-	-	-	-	-
1988	1,912	79.5	10,815	5.5	.4	47.54	35.02	44.97	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	in Billion Btu			Percent of Total Btu			in $1,000			
			Interrupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Central Electric Pwr Coop-MO																
1984	-	-	-	-	-	-	5,100	-	-	100	-	-	7,231	7,231	-	-
1985	-	-	-	-	-	-	2,876	-	-	100	-	-	3,417	3,417	-	-
1986	-	-	-	-	-	-	1,394	-	-	100	-	-	1,568	1,568	-	-
1987	-	-	-	-	-	-	2,031	-	-	100	-	-	2,334	2,334	-	-
1988	-	-	-	-	-	-	3,026	-	-	100	-	-	3,509	3,509	-	-
Central Hudson Gas & Elec Corp																
1984	5,089	1,030	4.33	5.97	4.36	1.7	-	76,338	5,243	-	94	6	381,402	-	359,226	22,175
1985	4,353	1,034	4.01	6.17	4.06	2.6	-	64,911	4,500	-	94	6	286,354	-	268,666	17,689
1986	555	1,037	2.98	5.83	4.50	53.5	27	72,620	575	0	99	1	183,993	52	181,442	2,499
1987	6,023	1,034	2.71	5.32	2.74	1.4	12,388	53,512	6,228	17	74	9	199,747	23,275	159,952	16,520
1988	2,150	1,035	2.41	4.86	2.66	10.1	24,836	62,676	2,225	28	70	2	198,342	47,463	145,161	5,718
Central Illinois Light Co																
1984	120	981	-	5.43	5.43	100.0	53,605	113	118	100	0	0	112,189	110,809	729	651
1985	94	978	-	4.65	4.65	100.0	48,369	73	92	100	0	0	100,832	99,951	444	437
1986	-	-	-	-	-	-	51,791	120	-	100	0	-	99,976	99,523	453	-
1987	-	-	-	-	-	-	53,097	85	-	100	0	-	98,255	97,894	361	-
1988	-	-	-	-	-	-	50,415	85	-	100	0	-	92,427	92,018	409	-
Central Illinois Pub Serv Co																
1984	-	-	-	-	-	-	118,736	317	-	100	0	-	206,539	204,436	2,102	-
1985	-	-	-	-	-	-	103,737	285	-	100	0	-	183,480	181,634	1,846	-
1986	-	-	-	-	-	-	109,165	690	-	99	1	-	187,476	185,790	1,686	-
1987	-	-	-	-	-	-	106,831	314	-	100	0	-	181,737	180,402	1,335	-
1988	-	-	-	-	-	-	94,767	348	-	100	0	-	147,023	145,699	1,324	-
Central Iowa Power Coop																
1987	8	1,027	2.98	3.28	3.13	49.2	3,876	-	8	100	-	0	4,387	4,361	-	25
1988	6	1,021	2.75	3.50	2.90	20.7	3,782	-	6	100	-	0	4,422	4,404	-	18
Central Louisiana Elec Co Inc																
1984	28,932	1,042	4.44	3.28	4.43	1.0	31,982	-	30,157	51	-	49	200,956	72,881	-	128,075
1985	36,605	1,041	3.75	-	3.75	-	33,324	-	38,106	47	-	53	202,398	65,080	-	137,318
1986	32,891	1,041	2.75	-	2.75	-	55,033	-	34,245	62	-	38	175,399	85,075	-	90,324
1987	29,116	1,045	2.10	-	2.10	-	70,583	-	30,420	70	-	30	165,565	104,546	-	61,020
1988	26,223	1,042	2.11	-	2.11	-	74,632	-	27,336	73	-	27	166,501	111,047	-	55,454
Central Maine Power Co																
1984	-	-	-	-	-	-	-	22,087	-	-	100	-	109,663	-	109,663	-
1985	-	-	-	-	-	-	-	18,433	-	-	100	-	77,799	-	77,799	-
1986	-	-	-	-	-	-	-	28,189	-	-	100	-	67,263	-	67,263	-
1987	-	-	-	-	-	-	-	25,144	-	-	100	-	73,827	-	73,827	-
1988	-	-	-	-	-	-	-	31,467	-	-	100	-	73,768	-	73,768	-
Central Nebraska Pub P&I Dist																
1984	365	917	2.87	-	2.87	-	-	-	335	-	-	100	1,047	-	-	1,047
1985	268	927	3.19	-	3.19	-	-	-	249	-	-	100	857	-	-	857
1986	349	944	3.16	-	3.16	-	-	108	329	-	25	75	1,351	-	251	1,101
1987	73	939	3.15	-	3.15	-	-	138	68	-	67	33	545	-	315	229
1988	854	940	2.34	-	2.34	-	-	591	803	-	42	58	3,381	-	1,382	2,000
Central Operating Co																
1984	-	-	-	-	-	-	33,660	166	-	100	0	-	65,971	64,900	1,071	-
1985	-	-	-	-	-	-	32,060	179	-	99	1	-	55,986	54,896	1,090	-
1986	-	-	-	-	-	-	45,241	185	-	100	0	-	74,062	73,412	649	-
1987	-	-	-	-	-	-	42,409	171	-	100	0	-	58,134	57,374	760	-
1988	-	-	-	-	-	-	27,469	3	-	100	0	-	45,760	45,739	20	-
Central Power & Light Co																
1984	118,915	1,045	3.32	4.06	3.74	57.3	39,496	202	124,287	24	0	76	542,476	96,184	990	445,302
1985	123,901	1,036	2.76	3.50	3.06	41.0	35,989	-	128,315	22	-	78	474,779	95,487	-	379,292
1986	119,250	1,039	1.64	3.14	2.37	48.5	38,573	-	123,904	24	-	76	367,771	85,567	-	282,204
1987	98,041	1,038	1.54	2.75	2.17	51.8	42,309	-	101,813	29	-	71	299,777	87,082	-	212,695
1988	92,927	1,043	1.67	2.74	2.30	59.4	41,359	-	96,969	30	-	70	300,161	85,985	-	214,176

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Del Quan		Average Quality			Average Price in Dollars per Ton			Del Quan		Average Quality		Average Price in Dollars per Bbl			Del Quan	Btu per Gal	Av. Price $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls		
Cincinnati Gas & Electric Co																		
1984	6,472	90.2	11,362	13.4	2.2	39.29	33.14	38.69	-	-	-	-	-	-	-	72	139,406	38.24
1985	5,696	91.6	11,348	13.2	2.1	39.84	27.70	38.81	-	-	-	-	-	-	-	64	138,714	34.75
1986	5,761	90.5	11,481	13.1	2.0	40.31	29.64	39.30	-	-	-	-	-	-	-	70	138,001	21.75
1987	6,370	76.5	11,579	12.3	1.7	36.85	25.59	35.73	-	-	-	-	-	-	-	86	137,806	23.46
1988	6,523	67.2	11,521	12.1	1.8	36.63	23.17	33.56	-	-	-	-	-	-	-	78	137,792	20.82
Cleveland Electric Illum Co																		
1984	5,733	72.5	12,316	10.0	2.9	45.02	37.95	43.07	129	-	150,432	1.1	-	29.79	29.79	38	138,071	36.69
1985	5,255	68.8	12,361	10.0	2.8	43.14	39.08	41.87	154	-	150,740	1.0	-	28.02	28.02	47	137,862	34.24
1986	5,545	65.4	12,510	9.3	2.7	41.39	36.60	39.73	72	-	149,979	1.2	-	17.18	17.18	70	137,504	23.16
1987	5,679	58.4	12,484	9.5	2.7	40.85	33.81	37.92	51	-	152,712	1.2	-	19.25	19.25	56	137,971	24.38
1988	5,081	53.3	12,517	9.5	2.7	43.10	34.29	38.99	387	-	152,020	1.3	-	15.64	15.64	81	137,611	24.75
Coffeyville City of																		
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colorado Springs City of																		
1984	1,225	100.0	10,693	7.5	.4	34.37	-	34.37	-	-	-	-	-	-	-	-	-	-
1985	1,459	100.0	10,650	7.2	.4	36.66	-	36.66	-	-	-	-	-	-	-	6	136,535	31.79
1986	1,494	100.0	10,655	7.2	.4	35.85	-	35.85	-	-	-	-	-	-	-	4	137,118	19.27
1987	1,313	86.5	10,668	6.8	.4	36.46	22.37	34.55	-	-	-	-	-	-	-	-	-	-
1988	1,207	89.5	10,575	7.1	.4	37.25	20.43	35.48	0	-	158,000	.4	-	18.61	18.61	0	132,405	20.20
Colorado Ute Electric Assn Inc																		
1984	4,255	100.0	10,175	8.1	.5	17.83	-	17.83	-	-	-	-	-	-	-	4	139,101	37.10
1985	4,74[illegible]	99.6	10,218	7.9	.4	18.96	14.36	18.94	-	-	-	-	-	-	-	5	136,235	34.00
1986	4,711	99.7	10,309	7.9	.4	18.96	10.78	18.94	-	-	-	-	-	-	-	7	137,196	20.92
1987	5,140	97.7	10,367	8.1	.4	18.84	15.25	18.75	-	-	-	-	-	-	-	3	136,093	23.02
1988	6,057	81.7	10,316	8.1	.4	19.27	15.74	18.62	-	-	-	-	-	-	-	3	137,082	20.20
Columbia City of																		
1984	60	100.0	10,750	11.6	3.9	35.47	-	35.47	-	-	-	-	-	-	-	-	-	-
1985	37	100.0	10,813	11.1	3.4	35.37	-	35.37	-	-	-	-	-	-	-	-	-	-
1986	52	100.0	10,979	10.2	3.8	35.14	-	35.14	-	-	-	-	-	-	-	-	-	-
1987	63	100.0	10,656	11.3	4.1	34.45	-	34.45	-	-	-	-	-	-	-	-	-	-
1988	58	100.0	10,844	10.7	3.8	33.46	-	33.46	-	-	-	-	-	-	-	-	-	-
Columbus & Southern Ohio El Co																		
1984	4,407	84.9	11,799	8.9	3.4	38.03	28.52	36.60	-	-	-	-	-	-	-	58	139,188	35.87
1985	3,778	97.6	11,893	8.6	3.4	37.38	26.31	37.11	-	-	-	-	-	-	-	32	138,553	34.29
1986	3,489	100.0	11,984	8.1	3.3	38.15	-	38.15	-	-	-	-	-	-	-	43	139,212	22.43
1987	3,411	99.7	11,976	8.2	3.0	37.60	22.61	37.56	-	-	-	-	-	-	-	33	139,523	23.83
1988	3,214	100.0	11,845	8.1	3.0	37.67	-	37.67	-	-	-	-	-	-	-	26	139,600	21.46
Columbus City of																		
1984	157	-	12,746	7.5	1.0	-	48.46	48.46	-	-	-	-	-	-	-	-	-	-
1985	118	-	12,874	9.3	.8	-	47.41	47.41	-	-	-	-	-	-	-	-	-	-
1986	93	-	12,610	8.0	.7	-	43.36	43.36	-	-	-	-	-	-	-	-	-	-
1987	56	-	12,274	8.6	.8	-	40.03	40.03	-	-	-	-	-	-	-	-	-	-
1988	58	-	12,385	7.2	.7	-	38.02	38.02	-	-	-	-	-	-	-	-	-	-
Commonwealth Edison Co IN Inc																		
1984	1,318	100.0	9,554	4.2	.4	48.57	-	48.57	-	-	-	-	-	-	-	-	-	-
1985	1,285	100.0	9,473	4.6	.4	54.22	-	54.22	-	-	-	-	-	-	-	-	-	-
1986	1,384	100.0	9,481	4.6	.4	53.93	-	53.93	-	-	-	-	-	-	-	-	-	-
1987	985	100.0	9,506	4.4	.4	56.03	-	56.03	-	-	-	-	-	-	-	-	-	-
Commonwealth Edison Co																		
1984	11,758	100.0	9,693	7.0	1.3	50.49	-	50.49	4,260	100.0	151,851	.7	39.54	-	39.54	209	139,022	37.32
1985	13,457	100.0	9,617	6.8	1.0	56.27	-	56.27	3,001	100.0	151,942	.7	38.70	-	38.70	260	138,218	34.71

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Cincinnati Gas & Electric Co																
1984	–	–	–	–	–	–	147,064	424	–	100	0	–	253,170	250,402	2,769	–
1985	–	–	–	–	–	–	129,268	373	–	100	0	–	223,297	221,069	2,228	–
1986	–	–	–	–	–	–	132,292	408	–	100	0	–	227,942	226,411	1,531	–
1987	–	–	–	–	–	–	147,525	495	–	100	0	–	229,616	227,607	2,009	–
1988	–	–	–	–	–	–	150,315	453	–	100	0	–	220,530	218,902	1,628	–
Cleveland Electric Illum Co																
1984	–	–	–	–	–	–	141,217	1,035	–	99	1	–	252,169	246,932	5,237	–
1985	–	–	–	–	–	–	129,909	1,247	–	99	1	–	225,971	220,046	5,925	–
1986	–	–	–	–	–	–	138,732	858	–	99	1	–	223,177	220,319	2,858	–
1987	–	–	–	–	–	–	146,762	652	–	100	0	–	225,287	222,940	2,347	–
1988	–	–	–	–	–	–	127,202	2,939	–	98	2	–	206,152	198,097	8,055	–
Coffeyville City of																
1984	612	1,000	2.45	–	2.45	–	–	–	612	–	–	100	1,498	–	–	1,498
1985	572	1,000	2.76	–	2.76	–	–	–	572	–	–	100	1,578	–	–	1,578
1986	440	1,000	2.63	–	2.63	–	–	–	440	–	–	100	1,155	–	–	1,155
1987	425	1,000	2.51	–	2.51	–	–	–	425	–	–	100	1,064	–	–	1,064
1988	522	1,000	2.46	–	2.46	–	–	–	522	–	–	100	1,283	–	–	1,263
Colorado Springs City of																
1984	185	988	4.02	3.99	4.00	58.5	26,209	–	183	99	–	1	42,863	42,123	–	740
1985	220	1,000	4.00	3.98	3.99	37.1	31,088	36	220	99	0	1	54,586	53,512	197	877
1986	85	986	4.26	4.27	4.27	58.1	31,838	23	84	100	0	0	54,004	53,564	78	362
1987	117	982	3.77	4.07	3.98	70.8	28,007	–	115	100	–	0	45,812	45,347	–	466
1988	500	975	2.67	2.93	2.78	43.4	25,526	4	488	98	0	2	44,218	42,815	12	1,391
Colorado Ute Electric Assn Inc																
1984	353	1,000	3.76	–	3.76	–	86,588	22	353	100	0	0	77,315	75,848	138	1,329
1985	478	972	3.62	–	3.62	–	97,036	31	465	99	0	0	91,868	89,950	187	1,731
1986	352	1,036	3.41	–	3.41	–	97,120	40	365	100	0	0	90,565	89,217	146	1,201
1987	304	1,051	2.79	–	2.79	–	106,564	15	320	100	0	0	97,303	96,395	60	848
1988	215	1,050	2.77	–	2.77	–	124,965	20	226	100	0	0	113,474	112,807	71	596
Columbia City of																
1984	–	–	–	–	–	–	1,282	–	–	100	–	–	2,115	2,115	–	–
1985	1	1,000	2.49	–	2.49	–	795	–	1	100	–	0	1,302	1,300	–	2
1986	1	1,000	3.17	–	3.17	–	1,146	–	1	100	–	0	1,837	1,833	–	3
1987	–	–	–	–	–	–	1,342	–	–	100	–	–	2,170	2,170	–	–
1988	–	–	–	–	–	–	1,262	–	–	100	–	–	1,946	1,946	–	–
Columbus & Southern Ohio El Co																
1984	–	–	–	–	–	–	104,001	342	–	100	0	–	163,381	161,282	2,098	–
1985	–	–	–	–	–	–	89,857	185	–	100	0	–	141,282	140,192	1,090	–
1986	–	–	–	–	–	–	83,626	253	–	100	0	–	134,089	133,118	971	–
1987	–	–	–	–	–	–	81,693	194	–	100	0	–	128,880	128,091	789	–
1988	–	–	–	–	–	–	76,133	150	–	100	0	–	121,619	121,070	549	–
Columbus City of																
1984	–	–	–	–	–	–	4,002	–	–	100	–	–	7,609	7,609	–	–
1985	–	–	–	–	–	–	3,038	–	–	100	–	–	5,594	5,594	–	–
1986	–	–	–	–	–	–	2,353	–	–	100	–	–	4,046	4,046	–	–
1987	–	–	–	–	–	–	1,367	–	–	100	–	–	2,229	2,229	–	–
1988	–	–	–	–	–	–	1,442	–	–	100	–	–	2,214	2,214	–	–
Commonwealth Edison Co IN Inc																
1984	96	1,027	–	4.19	4.19	100.0	25,183	–	98	100	–	0	64,419	64,018	–	400
1985	148	1,027	–	4.27	4.27	100.0	24,346	–	152	99	–	1	70,302	69,670	–	631
1986	161	1,029	–	3.96	3.96	100.0	26,245	–	166	99	–	1	75,271	74,635	–	637
1987	211	1,024	–	3.68	3.68	100.0	18,726	–	216	99	–	1	55,965	55,189	–	776
Commonwealth Edison Co																
1984	2,905	1,029	4.56	5.42	5.40	97.5	227,950	28,447	2,988	88	11	1	785,926	593,658	176,593	15,675
1985	3,971	1,027	4.41	5.60	5.57	97.8	258,820	20,660	4,078	91	7	1	904,530	757,253	125,155	22,122

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Del Quan		Average Quality			Average Price in Dollars per Ton			Del Quan		Average Quality		Average Price in Dollars per Bbl			Del Quan	Btu per Gal	Av. Price $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls		
Commonwealth Edison Co																		
1986	14,389	100.0	9,646	6.8	1.0	55.94	-	55.94	2,095	100.0	150,579	0.7	35.08	-	35.08	211	139,593	21.18
1987	10,379	100.0	9,674	7.1	1.0	55.83	-	55.83	3,468	100.0	150,947	.7	22.62	-	22.62	240	140,142	24.83
1988	10,932	100.0	9,674	6.7	.9	51.24	-	51.24	1,277	100.0	150,785	.7	18.89	-	18.89	278	138,564	21.46
Commonwealth Electric Co																		
1984	-	-	-	-	-	-	-	-	51	100.0	150,802	1.0	31.23	-	31.23	-	-	-
1985	-	-	-	-	-	-	-	-	88	90.9	150,459	1.1	27.28	23.03	26.89	-	-	-
1986	-	-	-	-	-	-	-	-	370	100.0	150,547	.8	16.39	-	16.39	-	-	-
1987	-	-	-	-	-	-	-	-	99	100.0	150,856	.9	18.60	-	18.60	-	-	-
1988	-	-	-	-	-	-	-	-	290	100.0	151,431	1.0	15.91	-	15.91	-	-	-
Community Public Service Co																		
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut Light & Power Co																		
1984	-	-	-	-	-	-	-	-	7,900	97.7	149,684	1.0	29.79	29.37	29.78	25	138,092	35.73
1985	-	-	-	-	-	-	-	-	7,501	95.2	149,851	1.0	25.98	26.02	25.98	28	138,443	33.85
1986	-	-	-	-	-	-	-	-	12,170	99.0	149,304	.8	15.84	13.91	15.82	20	138,161	21.07
1987	-	-	-	-	-	-	-	-	9,102	98.6	149,744	.8	18.68	18.18	18.67	24	137,951	23.21
1988	-	-	-	-	-	-	-	-	12,020	98.2	149,804	.8	15.42	14.38	15.40	27	137,451	20.85
Consolidated Edison Co-NY Inc																		
1984	-	-	-	-	-	-	-	-	17,850	94.3	146,804	3	30.69	29.34	30.61	-	-	-
1985	-	-	-	-	-	-	-	-	15,098	91.8	147,077	.3	28.06	25.21	27.83	-	-	-
1986	-	-	-	-	-	-	-	-	16,021	74.5	147,180	.3	16.53	13.64	15.79	-	-	-
1987	-	-	-	-	-	-	-	-	17,842	89.3	147,476	.3	19.70	17.94	19.54	-	-	-
1988	-	-	-	-	-	-	-	-	21,149	81.7	147,840	.3	16.21	15.57	16.10	-	-	-
Consumers Power Co																		
1984	6,932	69.5	12,280	9.6	1.1	51.14	41.28	48.13	-	-	-	-	-	-	-	11	138,313	34.63
1985	6,864	91.0	12,205	9.6	1.0	45.80	38.23	45.12	123	-	147,619	1.0	-	28.35	28.35	14	138,075	32.52
1986	7,204	85.4	12,246	9.6	1.0	46.91	36.12	45.33	705	-	147,619	1.0	-	15.85	15.85	2	138,017	14.48
1987	6,348	75.1	12,396	9.6	.9	47.29	37.75	44.91	244	-	147,540	1.0	-	18.67	18.67	-	-	-
1988	6,737	62.5	12,451	9.5	.8	49.70	37.93	45.29	961	-	147,499	1.0	-	15.71	15.71	-	-	-
Coop Power Assn																		
1984	5,969	100.0	6,143	10.0	.6	11.80	-	11.80	5	-	147,000	2.5	-	26.86	26.86	-	-	-
1985	5,874	100.0	6,214	10.9	.7	12.24	-	12.24	1	-	147,000	2.5	-	23.52	23.52	-	-	-
1986	5,766	94.5	6,275	10.3	.7	11.65	5.20	11.29	4	-	147,000	2.5	-	18.21	18.21	-	-	-
1987	4,592	100.0	6,254	10.4	.7	11.72	-	11.72	7	-	147,000	2.5	-	14.07	14.07	-	-	-
1988	6,765	98.7	6,299	10.6	.6	9.14	5.99	9.10	4	-	147,000	2.5	-	11.93	11.93	-	-	-
Dairyland Power Coop																		
1984	2,387	93.7	9,203	8.0	1.3	33.13	27.64	32.78	-	-	-	-	-	-	-	14	139,766	36.29
1985	1,800	100.0	8,909	6.9	1.0	32.96	-	32.96	-	-	-	-	-	-	-	10	140,000	34.38
1986	2,232	100.0	9,763	6.7	1.0	34.29	-	34.29	-	-	-	-	-	-	-	4	140,000	20.10
1987	2,036	97.6	9,777	5.5	.9	26.41	22.24	26.30	-	-	-	-	-	-	-	9	140,000	24.05
1988	2,130	88.7	9,392	6.8	1.1	25.36	18.13	24.55	-	-	-	-	-	-	-	15	140,000	21.03
Dayton Power & Light Co																		
1984	7,053	76.8	11,586	13.5	1.3	46.62	28.93	42.52	-	-	-	-	-	-	-	83	138,537	34.83
1985	6,603	79.8	11,580	13.6	1.3	46.93	26.91	42.87	-	-	-	-	-	-	-	81	137,739	33.19
1986	8,118	63.8	11,826	13.0	1.3	45.71	28.22	39.38	-	-	-	-	-	-	-	16	136,463	22.01
1987	8,729	56.0	11,741	13.3	1.3	44.74	26.77	36.82	-	-	-	-	-	-	-	46	136,481	21.99
1988	8,154	42.2	11,848	13.1	1.3	46.64	25.34	34.33	-	-	-	-	-	-	-	78	136,950	20.93
Deepwater Operating Co																		
1984	247	97.0	13,030	8.9	.8	49.18	48.01	49.15	719	100.0	150,653	.9	29.80	-	29.80	-	-	-
1985	122	92.9	13,002	8.5	.8	49.70	46.24	49.45	425	100.0	150,838	.9	25.50	-	25.50	-	-	-
1986	184	96.2	13,086	8.1	.8	47.40	40.44	47.14	196	100.0	148,945	1.0	13.86	-	13.86	-	-	-

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Commonwealth Edison Co																
1986	4,595	1,025	3.65	5.02	5.00	98.4	277,596	14,488	4,708	94	5	2	905,828	804,877	77,968	22,984
1987	1,245	1,021	3.41	4.41	4.39	97.5	200,812	23,401	1,271	89	10	1	669,340	579,449	84,431	5,460
1988	3,564	1,021	3.08	3.81	3.49	55.8	211,511	9,703	3,639	94	4	2	602,639	560,132	30,077	12,430
Commonwealth Electric Co																
1984	1,252	1,000	4.43	-	4.43	-	-	323	1,252	-	21	79	7,144	-	1,593	5,551
1985	873	1,000	3.59	-	3.59	-	-	556	873	-	39	61	5,501	-	2,366	3,135
1986	153	1,000	2.61	-	2.61	-	-	2,340	153	-	94	6	6,464	-	6,065	399
1987	1,693	1,000	2.72	-	2.72	-	-	627	1,693	-	27	73	6,445	-	1,841	4,604
1988	798	1,000	2.27	-	2.27	-	-	1,844	798	-	70	30	6,425	-	4,613	1,812
Community Public Service Co																
1984	62	1,039	-	4.06	4.06	100.0	-	-	65	-	-	100	253	-	-	253
1985	6	1,039	3.85	4.05	4.02	84.4	-	-	7	-	-	100	26	-	-	26
1986	6	1,034	3.52	-	3.52	-	-	-	6	-	-	100	20	-	-	20
1987	110	1,021	3.07	-	3.07	-	-	-	112	-	-	100	337	-	-	337
1988	2	1,033	2.99	-	2.99	-	-	-	2	-	-	100	6	-	-	6
Connecticut Light & Power Co																
1984	2,228	1,028	3.81	-	3.81	-	-	49,811	2,292	-	96	4	244,628	-	236,137	8,491
1985	1,562	1,031	3.49	-	3.49	-	-	47,373	1,611	-	97	3	201,291	-	195,835	5,456
1986	641	1,036	2.14	-	2.14	-	-	76,428	664	-	99	1	194,343	-	192,973	1,370
1987	4,190	1,032	2.19	-	2.19	-	-	57,385	4,322	-	93	7	179,683	-	170,516	9,167
1988	1,214	1,031	2.23	-	2.23	-	-	75,784	1,251	-	98	2	188,353	-	185,649	2,704
Consolidated Edison Co-NY Inc																
1984	79,957	1,034	-	4.07	4.07	100.0	-	110,059	82,694	-	57	43	871,976	-	546,396	325,580
1985	71,598	1,036	-	3.46	3.46	100.0	-	93,265	74,185	-	56	44	667,613	-	420,206	247,407
1986	70,109	1,036	-	2.31	2.31	100.0	-	99,032	72,613	-	58	42	414,780	-	253,020	161,760
1987	68,458	1,029	-	2.69	2.69	100.0	-	110,514	70,454	-	61	39	532,341	-	348,439	183,902
1988	69,925	1,030	-	2.32	2.32	100.0	-	131,319	72,036	-	65	35	502,487	-	340,399	162,088
Consumers Power Co																
1984	-	-	-	-	-	-	170,257	65	-	100	0	-	334,040	333,652	388	-
1985	-	-	-	-	-	-	167,555	849	-	99	1	-	313,687	309,717	3,970	-
1986	-	-	-	-	-	-	176,426	4,383	-	98	2	-	337,734	326,531	11,204	-
1987	-	-	-	-	-	-	169,778	1,511	-	99	1	-	312,108	307,556	4,552	-
1988	-	-	-	-	-	-	167,769	5,953	-	97	3	-	320,210	305,110	15,100	-
Coop Power Assn																
1984	-	-	-	-	-	-	73,336	34	-	100	0	-	70,578	70,431	147	-
1985	-	-	-	-	-	-	73,007	8	-	100	0	-	71,924	71,895	29	-
1986	-	-	-	-	-	-	72,363	23	-	100	0	-	65,172	65,104	68	-
1987	-	-	-	-	-	-	57,435	44	-	100	0	-	53,924	53,822	101	-
1988	-	-	-	-	-	-	65,230	22	-	100	0	-	61,573	61,531	42	-
Dairyland Power Coop																
1984	-	-	-	-	-	-	43,937	85	-	100	0	-	78,784	78,259	526	-
1985	-	-	-	-	-	-	32,065	60	-	100	0	-	59,671	59,319	352	-
1986	-	-	-	-	-	-	43,585	22	-	100	0	-	76,626	76,552	74	-
1987	-	-	-	-	-	-	39,816	52	-	100	0	-	53,771	53,559	212	-
1988	-	-	-	-	-	-	40,003	90	-	100	0	-	52,608	52,285	323	-
Dayton Power & Light Co																
1984	163	1,020	5.42	-	5.42	-	163,423	486	167	100	0	0	303,669	299,875	2,908	885
1985	167	1,020	5.22	-	5.22	-	152,918	466	170	100	0	0	286,628	283,081	2,675	871
1986	170	1,020	4.64	-	4.64	-	192,019	92	174	100	0	0	320,866	319,720	354	791
1987	200	1,020	4.07	-	4.07	-	204,966	263	204	100	0	0	323,226	321,405	1,007	813
1988	262	1,020	3.97	-	3.97	-	193,206	449	267	100	0	0	282,615	279,941	1,635	1,038
Deepwater Operating Co																
1984	117	1,038	4.73	-	4.73	-	6,447	4,549	121	58	41	1	34,136	12,159	21,424	553
1985	75	1,041	4.11	-	4.11	-	3,170	2,692	79	53	45	1	17,176	6,028	10,838	310
1986	570	1,036	2.41	-	2.41	-	4,808	1,226	591	73	19	9	12,765	8,673	2,716	1,376

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Del Quan		Average Quality			Average Price in Dollars per Ton			Del Quan		Average Quality		Average Price in Dollars per Bbl			Del Quan	Btu per Gal	Av. Price $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls		
Deepwater Operating Co																		
1987	187	92.5	13,121	7.8	0.8	43.25	41.24	43.10	141	100.0	149,362	0.9	19.72	-	19.72	-	-	-
1988	156	95.5	13,153	7.9	.8	44.78	44.67	44.79	361	100.0	149,643	.9	14.79	-	14.79	-	-	-
Delmarva Power & Light Co																		
1984	2,783	56.5	12,987	8.6	1.0	52.13	50.06	51.23	3,216	76.0	150,348	1.1	29.85	28.90	29.62	119	138,973	34.27
1985	2,249	72.4	12,962	9.0	1.0	51.19	45.15	49.52	2,362	45.5	150,484	.9	25.14	26.41	25.83	115	139,159	31.81
1986	2,296	84.7	13,000	8.8	1.0	50.53	45.44	49.75	3,312	84.7	149,765	1.1	14.08	13.90	14.05	152	139,981	20.32
1987	2,422	85.4	13,065	8.7	1.0	48.26	41.90	47.33	3,051	49.5	150,698	1.2	18.66	16.55	17.59	106	137,599	22.94
1988	2,525	75.8	12,901	9.1	1.1	47.71	43.15	46.60	4,020	52.2	151,327	1.1	13.95	14.84	14.38	170	135,151	19.90
Denton City of																		
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	139,680	34.44
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
Deseret Generation & Tran Coop																		
1986	655	100.0	10,645	8.8	.4	41.81	-	41.81	-	-	-	-	-	-		40	140,572	22.60
1987	1,050	100.0	10,698	8.8	.4	44.08	-	44.08	-	-	-	-	-	-	-	9	141,000	23.52
1988	1,029	100.0	10,770	8.5	.4	53.39	-	53.39	-	-	-	-	-	-	-	2	141,000	23.52
Detroit City of																		
1984	-	-	-	-	-	-	-	-	175	-	147,146	1.0	-	27.20	27.20	1	139,784	10.94
1985	-	-	-	-	-	-	-	-	205	-	147,489	.6	-	29.09	29.09	4	139,784	11.28
1986	-	-	-	-	-	-	-	-	332	-	148,207	.6	-	19.29	19.29	15	140,750	23.94
1987	-	-	-	-	-	-	-	-	320	-	146,933	.7	-	17.83	17.83	-	-	-
1988	-	-	-	-	-	-	-	-	486	-	147,835	.7	-	17.85	17.85	11	140,754	20.55
Detroit Edison Co																		
1984	15,013	92.9	11,518	8.0	1.3	42.46	44.98	42.64	651	45.6	147,970	.7	28.54	30.40	29.55	447	138,477	34.76
1985	14,489	87.3	11,417	6.4	.7	42.97	42.35	42.89	17	-	141,036	.9	-	26.04	26.04	608	138,266	32.65
1986	17,493	80.4	11,382	6.1	.7	42.95	31.70	40.74	459	-	148,244	.7	-	14.04	14.04	422	137,813	19.71
1987	19,603	75.2	11,291	5.9	.7	41.57	29.30	38.53	403	-	145,982	.7	-	21.02	21.02	363	137,630	23.01
1988	18,516	80.6	11,317	5.9	.7	40.75	32.60	39.17	517	-	146,622	.7	-	16.02	16.02	394	138,851	20.73
Dover City of																		
1984	-	-	-	-	-	-	-	-	736	100.0	151,251	2.5	29.11	-	29.11	-	-	-
1985	-	-	-	-	-	-	-	-	436	100.0	150,473	2.4	26.21	-	26.21	-	-	-
1986	-	-	-	-	-	-	-	-	676	100.0	151,122	2.4	15.05	-	15.05	5	140,769	20.18
1987	-	-	-	-	-	-	-	-	397	97.9	151,533	2.2	17.34	17.50	17.35	0	140,853	19.34
1988	-	-	-	-	-	-	-	-	766	100.0	152,110	2.1	14.57	-	14.57	-	-	-
Duke Power Co																		
1984	8,941	100.0	12,432	10.4	.9	49.17	-	49.17	-	-	-	-	-	-	-	112	137,321	33.77
1985	10,819	83.9	12,458	10.3	.9	50.59	36.71	48.36	-	-	-	-	-	-	-	95	138,703	33.05
1986	9,768	84.2	12,539	10.1	1.0	48.28	34.65	46.13	-	-	-	-	-	-	-	100	138,634	20.56
1987	8,567	82.6	12,510	10.0	.9	46.59	35.92	44.75	-	-	-	-	-	-	-	132	138,254	22.50
1988	8,444	87.4	12,552	10.0	1.0	46.09	34.23	44.59	-	-	-	-	-	-	-	117	138,744	20.70
Duquesne Light Co																		
1984	2,393	96.9	12,263	12.0	1.7	40.77	42.53	40.82	-	-	-	-	-	-	-	59	136,128	37.02
1985	2,226	100.0	12,110	13.2	1.6	42.43	-	42.43	-	-	-	-	-	-	-	85	135,605	33.62
1986	2,217	97.4	12,160	12.9	1.6	42.21	29.86	41.90	-	-	-	-	-	-	-	67	136,311	26.38
1987	2,374	91.4	12,211	13.1	1.6	38.94	28.90	38.06	-	-	-	-	-	-	-	47	136,355	25.84
1988	2,055	80.4	12,278	12.6	1.6	36.46	28.26	34.85	-	-	-	-	-	-	-	34	136,962	22.33
East Kentucky Power Coop																		
1984	3,145	33.6	11,866	11.2	1.3	42.26	29.53	33.83	-	-	-	-	-	-	-	10	138,600	35.79
1985	2,442	45.4	11,728	11.4	1.5	29.81	29.17	29.46	-	-	-	-	-	-	-	11	138,600	33.63
1986	3,026	36.6	11,815	11.7	1.3	26.27	27.33	26.94	-	-	-	-	-	-	-	10	138,600	21.47
1987	3,198	32.7	11,904	11.4	1.3	26.76	26.05	26.28	-	-	-	-	-	-	-	9	138,600	24.72
1988	2,893	36.4	12,044	11.6	1.1	27.80	25.67	26.44	-	-	-	-	-	-	-	10	138,600	20.96

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interrupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Deepwater Operating Co																
1987	2,277	1,028	2.87	–	2.87	–	4,907	885	2,342	60	11	29	17,366	8,059	2,780	6,527
1988	86	1,032	2.54	–	2.54	–	4,104	2,269	89	64	35	1	12,546	6,987	5,341	218
Delmarva Power & Light Co																
1984	[3] 5,765	1,040	4.63	–	4.63	–	72,280	21,000	5,934	73	21	6	268,550	142,558	99,326	26,666
1985	[3] 6,475	1,040	4.03	–	4.03	–	58,292	15,604	6,736	72	19	8	202,118	111,359	64,691	26,067
1986	[3] 1,384	1,048	2.55	–	2.55	–	59,701	21,722	1,451	72	26	2	167,382	114,241	49,615	3,526
1987	[3] 6,405	1,037	2.88	–	2.88	–	63,299	19,921	6,644	70	22	7	189,201	114,662	56,105	18,434
1988	[3] 819	1,095	2.64	–	2.64	–	65,140	26,519	897	70	29	1	181,001	117,655	61,185	2,161
Denton City of																
1984	583	1,116	4.52	–	4.52	–	–	111	651	–	15	85	3,286	–	651	2,636
1985	1,459	1,099	3.54	–	3.54	–	–	–	1,603	–	–	100	5,164	–	–	5,164
1986	933	1,084	1.89	–	1.89	–	–	–	1,012	–	–	100	1,760	–	–	1,760
1987	642	1,142	2.68	–	2.68	–	–	–	734	–	–	100	1,724	–	–	1,724
1988	1,094	1,066	2.41	–	2.41	–	–	–	1,165	–	–	100	2,640	–	–	2,640
Deseret Generation & Tran Coop																
1986	–	–	–	–	–	–	13,941	233	–	98	2	–	28,271	27,378	893	–
1987	–	–	–	–	–	–	22,466	53	–	100	0	–	46,499	46,287	212	–
1988	–	–	–	–	–	–	22,166	12	–	100	0	–	54,965	54,938	47	–
Detroit City of																
1984	1,648	1,016	4.36	–	4.36	–	–	1,087	1,674	–	39	61	11,956	–	4,774	7,181
1985	1,746	1,017	4.32	–	4.32	–	–	1,296	1,776	–	42	58	13,565	–	6,015	7,550
1986	1,800	1,012	4.08	–	4.08	–	–	2,153	1,822	–	54	46	14,094	–	6,754	7,340
1987	2,505	1,016	2.86	2.99	2.91	38.5	–	1,975	2,545	–	44	56	12,989	–	5,706	7,282
1988	22	1,016	2.75	–	2.75	–	–	3,084	22	–	99	1	8,966	–	8,906	60
Detroit Edison Co																
1984	[3] 3,510	393	1.29	4.08	1.91	22.2	345,846	6,645	1,379	98	2	0	681,611	640,141	34,775	6,696
1985	[3] 5,059	267	.44	2.12	1.25	47.9	330,836	3,632	1,352	99	1	0	648,040	621,440	20,298	6,302
1986	[3] 8,185	196	.56	5.41	.62	1.2	398,227	5,303	1,605	98	1	0	732,582	712,707	14,770	5,105
1987	[3] 7,637	184	.42	3.03	.44	.9	442,686	4,686	1,403	99	1	0	776,029	755,351	17,296	3,382
1988	12,746	135	.32	.27	.31	12.4	419,078	5,484	1,724	98	1	0	745,684	725,239	16,459	3,985
Dover City of																
1984	1,402	1,036	4.62	4.56	4.56	91.9	–	4,674	1,452	–	76	24	27,820	–	21,420	6,400
1985	850	1,018	–	4.03	4.03	100.0	–	2,758	865	–	76	24	14,859	–	11,436	3,422
1986	283	1,036	3.61	3.07	3.14	86.8	–	4,321	294	–	94	6	11,164	–	10,274	890
1987	1,452	1,032	2.81	2.69	2.70	92.1	–	2,526	1,498	–	63	37	10,803	–	6,886	3,917
1988	485	1,032	–	2.52	2.52	100.0	–	4,894	500	–	91	9	12,387	–	11,164	1,223
Duke Power Co																
1984	68	1,035	4.80	–	4.80	–	222,307	646	70	100	0	0	443,709	439,600	3,782	326
1985	87	1,038	4.76	–	4.76	–	269,577	553	90	100	0	0	526,746	523,193	3,140	414
1986	43	1,036	3.67	–	3.67	–	244,973	582	45	100	0	0	452,854	450,639	2,056	158
1987	63	1,028	3.06	–	3.06	–	214,355	766	65	100	0	0	386,565	383,402	2,970	194
1988	33	1,030	3.64	–	3.64	–	211,974	682	34	100	0	0	379,100	376,558	2,422	120
Duquesne Light Co																
1984	–	–	–	–	–	–	58,689	337	–	99	1	–	99,869	97,685	2,184	–
1985	–	–	–	–	–	–	53,914	484	–	99	1	–	97,297	94,439	2,858	–
1986	159	1,036	3.09	–	3.09	–	54,000	384	165	99	1	0	95,131	92,872	1,767	491
1987	195	1,040	3.03	–	3.03	–	57,980	269	203	99	0	0	92,208	90,403	1,215	591
1988	340	1,040	3.29	–	3.29	–	50,464	196	354	99	0	1	73,493	71,616	759	1,118
East Kentucky Power Coop																
1984	–	–	–	–	–	–	74,638	58	–	100	0	–	106,743	106,389	354	–
1985	–	–	–	–	–	–	57,285	64	–	100	0	–	72,320	71,950	370	–
1986	–	–	–	–	–	–	71,509	56	–	100	0	–	81,744	81,539	205	–
1987	–	–	–	–	–	–	76,147	53	–	100	0	–	84,280	84,056	224	–
1988	–	–	–	–	–	–	69,698	56	–	100	0	–	76,722	76,516	203	–

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Del Quan		Average Quality			Average Price in Dollars per Ton			Del Quan		Average Quality		Average Price in Dollars per Bbl			Del Quan	Btu per Gal	Av. Price $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls		
Eastern Iowa Light&Power Coop																		
1984	96	100.0	11,477	10.7	2.9	28.95	-	28.95	-	-	-	-	-	-	-	-	-	-
1985	130	58.1	11,370	11.6	2.9	30.07	23.86	27.47	-	-	-	-	-	-	-	-	-	-
1986	124	61.3	11,464	10.3	2.6	29.73	22.45	26.92	-	-	-	-	-	-	-	-	-	-
El Paso Electric Co																		
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electric Energy Inc																		
1984	3,268	88.7	11,623	9.1	2.0	38.43	35.13	38.94	-	-	-	-	-	-	-	12	138,402	37.06
1985	2,613	94.0	11,679	9.2	2.0	40.14	37.78	40.00	-	-	-	-	-	-	-	7	137,965	34.17
1986	2,306	100.0	11,682	9.1	2.0	41.18	43.13	41.18	-	-	-	-	-	-	-	7	138,612	23.23
1987	2,022	73.9	11,759	8.0	1.9	41.22	28.89	38.00	-	-	-	-	-	-	-	8	138,990	25.59
1988	2,149	73.0	11,796	8.3	2.1	33.49	28.01	32.01	-	-	-	-	-	-	-	6	139,327	27.50
Empire District Electric Co																		
1984	948	54.4	11,228	19.6	5.0	25.27	30.27	27.55	-	-	-	-	-	-	-	2	138,095	34.08
1985	822	60.2	11,033	20.4	4.8	23.50	31.80	26.80	-	-	-	-	-	-	-	8	142,365	33.85
1986	832	52.9	11,203	18.0	4.6	25.38	31.30	28.17	-	-	-	-	-	-	-	13	143,066	15.58
1987	849	53.3	11,187	18.6	4.5	24.04	32.70	28.08	-	-	-	-	-	-	-	3	143,034	23.18
1988	821	79.1	10,371	18.1	4.0	21.68	32.13	23.86	-	-	-	-	-	-	-	24	142,500	22.33
Florida Power & Light Co																		
1984	-	-	-	-	-	-	-	-	21,176	92.8	150,597	1.0	29.56	29.66	29.57	-	-	-
1985	-	-	-	-	-	-	-	-	11,449	78.0	151,233	.8	24.91	24.50	24.82	-	-	-
1986	-	-	-	-	-	-	-	-	25,376	67.3	151,078	.9	13.53	14.48	13.84	50	138,600	14.37
1987	-	-	-	-	-	-	-	-	20,945	61.5	159,417	.9	20.69	18.32	19.79	-	-	-
1988	-	-	-	-	-	-	-	-	25,728	59.3	151,495	1.0	14.58	14.04	14.36	-	-	-
Florida Power Corp																		
1984	[1] 4,063	100.0	12,424	10.0	.9	62.06	17.99	62.05	4,396	100.0	150,632	2.0	28.09	-	28.09	162	137,961	35.05
1985	4,763	94.3	12,596	9.4	.8	58.07	46.01	57.39	5,595	100.0	150,807	1.2	24.62	-	24.62	171	138,085	33.66
1986	5,660	77.1	12,623	8.8	.8	48.84	43[illegible]	47.59	9,334	100.0	150,764	1.4	13.70	-	13.70	176	138,755	21.57
1987	5,830	71.7	12,631	8.8	.8	48.26	41[illegible]	46.34	8,610	100.0	151,053	1.4	17.62	-	17.62	219	139,810	23.47
1988	5,832	81.1	12,696	8.6	.8	47.91	42.10	46.81	7,279	100.0	151,209	1.5	13.37	-	13.37	234	140,178	20.85
Fort Pierre City of																		
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	138,300	35.57
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	138,441	22.64
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	138,441	24.59
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	141,552	19.01
Fremont City of																		
1984	162	65.1	10,987	7.3	.4	45.20	26.23	39.27	-	-	-	-	-	-	-	-	-	-
1985	137	67.4	11,330	7.4	.5	46.40	28.87	40.69	-	-	-	-	-	-	-	-	-	-
1986	121	84.0	11,792	7.2	.6	44.51	31.61	42.44	-	-	-	-	-	-	-	-	-	-
1987	119	65.5	10,773	7.5	.5	42.50	14.41	32.82	-	-	-	-	-	-	-	-	-	-
1988	127	62.3	10,918	7.1	.5	44.18	14.23	32.89	-	-	-	-	-	-	-	-	-	-
Gainesville City of																		
1984	548	-	12,916	6.6	.7	-	49.99	49.99	-	-	-	-	-	-	-	7	139,777	35.21
1985	574	3.0	13,161	6.2	.7	55.78	50.01	50.18	-	-	-	-	-	-	-	10	140,444	34.59
1986	510	-	13,238	6.1	.8	-	45.65	45.65	8	-	156,393	.3	-	17.77	17.77	1	140,909	28.30
1987	446	-	13,390	6.8	.8	-	45.05	45.05	7	-	150,458	1.4	-	20.05	20.05	-	-	-
1988	598	34.9	13,394	6.3	.7	45.03	46.02	45.67	1	-	148,731	1.6	-	17.02	17.02	-	-	-
Garland City of																		
1984	-	-	-	-	-	-	-	-	[2] 19	100.0	145,600	.0	31.61	-	31.61	-	-	-
1985	-	-	-	-	-	-	-	-	[2] 83	100.0	147,106	.0	31.62	-	31.62	-	-	-
1986	-	-	-	-	-	-	-	-	[2] 10	100.0	149,953	.0	28.34	-	28.34	-	-	-

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Eastern Iowa Light&Power Coop																
1984	13	1,043	3.79	4.51	3.93	19.8	2,192	-	13	99	-	1	2,814	2,765	-	49
1985	9	1,030	3.92	4.47	4.00	14.3	2,947	-	9	100	-	0	3,594	3,560	-	34
1986	10	1,026	3.67	4.05	3.78	28.1	2,850	-	10	100	-	0	3,383	3,346	-	37
El Paso Electric Co																
1984	15,019	1,032	4.14	3.60	3.78	67.5	-	-	15,506	-	-	100	56,714	-	-	56,714
1985	10,448	1,038	3.81	3.43	3.48	85.8	-	-	10,840	-	-	100	36,366	-	-	36,366
1986	9,345	1,031	2.17	2.31	2.29	87.3	-	-	9,634	-	-	100	21,430	-	-	21,430
1987	10,680	1,029	-	2.05	2.05	100.0	-	-	10,990	-	-	100	21,886	-	-	21,886
1988	14,437	1,027	1.95	2.10	2.05	65.0	-	-	14,827	-	-	100	29,602	-	-	29,602
Electric Energy Inc																
1984	-	-	-	-	-	-	75,973	72	-	100	0	-	127,725	127,265	460	-
1985	-	-	-	-	-	-	61,026	40	-	100	0	-	104,752	104,516	236	-
1986	-	-	-	-	-	-	53,887	43	-	100	0	-	95,149	94,977	172	-
1987	-	-	-	-	-	-	47,555	46	-	100	0	-	77,035	76,833	202	-
1988	-	-	-	-	-	-	50,711	35	-	100	0	-	68,963	68,800	162	-
Empire District Electric Co																
1984	89	1,027	3.40	-	3.40	-	21,277	12	91	100	0	0	26,475	26,103	71	301
1985	202	1,017	2.79	-	2.79	-	18,134	48	206	99	0	1	22,862	22,028	270	564
1986	177	1,017	2.45	-	2.45	-	18,652	80	180	99	0	1	24,090	23,450	207	433
1987	174	1,012	3.00	-	3.00	-	18,995	18	176	99	0	1	24,433	23,842	71	521
1988	60	1,023	3.53	-	3.53	-	17,021	145	62	99	1	0	20,337	19,581	542	213
Florida Power & Light Co																
1984	107 040	1,000	-	3.32	3.32	100.0	-	133,940	107,040	-	56	44	981,904	-	626,105	355,799
1985	95,139	1,000	-	3.25	3.25	100.0	-	72,722	95,139	-	43	57	593,467	-	284,140	309,327
1986	98,520	1,000	-	2.01	2.01	100.0	-	161,321	98,520	-	62	38	549,631	-	351,946	197,685
1987	111,593	1,000	-	2.70	2.70	100.0	-	140,238	111,593	-	56	44	716,017	-	414,288	301,729
1988	95,322	1,000	-	2.05	2.05	100.0	-	163,700	95,322	-	63	37	564,541	-	369,468	195,073
Florida Power Corp																
1984	5,828	1,026	4.08	4.16	4.11	38.5	100,947	32,369	5,980	72	23	4	421,119	252,092	145,075	23,953
1985	7,950	1,027	3.65	-	3.65	-	119,997	39,606	8,162	72	24	5	457,909	273,352	155,577	28,980
1986	1,479	1,022	2.82	-	2.82	-	142,894	60,131	1,511	70	29	1	405,156	269,351	131,629	4,175
1987	2,670	1,024	3.10	3.32	3.10	.0	147,279	55,913	2,735	72	27	1	435,283	270,154	156,856	8,272
1988	2,483	1,023	2.19	-	2.19	-	148,073	47,609	2,541	75	24	1	380,604	272,987	102,187	5,431
Fort Pierre City of																
1984	2,821	1,026	3.17	-	3.17	-	-	1	2,895	-	0	100	8,942	-	6	8,936
1985	1,582	1,028	3.18	-	3.18	-	-	-	1,626	-	-	100	5,024	-	-	5,024
1986	914	1,022	2.19	-	2.19	-	-	3	935	-	0	100	2.012	-	14	1,999
1987	801	1,023	2.79	-	2.79	-	-	3	819	-	0	100	2,248	-	12	2,236
1988	1,313	1,024	2.41	-	2.41	-	-	48	1,344	-	3	97	3,319	-	152	3,167
Fremont City of																
1984	60	998	4.16	4.65	4.64	97.8	3,562	-	60	98	-	2	6,645	6,366	-	279
1985	11	998	4.61	4.41	4.48	64.0	3,098	-	11	100	-	0	5,614	5,563	-	51
1986	154	998	-	2.35	2.35	100.0	2,854	-	154	95	-	5	5,498	5,135	-	362
1987	160	998	-	1.85	1.85	100.0	2,562	-	160	94	-	6	4,198	3,902	-	297
1988	121	998	-	1.85	1.85	100.0	2,769	-	121	96	-	4	4,394	4,170	-	224
Gainesville City of																
1984	2,357	1,027	3.19	-	3.19	-	14,158	40	2,419	85	0	15	35,147	27,397	237	7,513
1985	3,415	1,028	3.19	-	3.19	-	15,099	60	3,510	81	0	19	40,026	28,786	352	10,888
1986	3 505	1,022	2.26	-	2.26	-	13,494	63	3,580	79	0	21	31,376	23,265	190	7,921
1987	2,621	1,025	2.87	-	2.87	-	11,939	42	2,687	81	0	18	27,725	20,083	132	7,510
1988	2,567	1,024	2.42	-	2.42	-	16,033	9	2,629	86	0	14	33,574	27,334	24	6,216
Garland City of																
1984	6,235	1,032	3.73	-	3.73	-	-	117	6,433	-	2	98	23,837	-	603	23,234
1985	5,943	1,039	3.36	3.19	3.33	14.0	-	515	6,173	-	8	92	22,454	-	2,637	19,818
1986	7,281	1,041	1.78	-	1.78	-	-	61	7,583	-	1	99	13,237	-	275	12,962

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Del Quan		Average Quality			Average Price in Dollars per Ton			Del Quan		Average Quality		Average Price in Dollars per Bbl			Del Quan	Btu per Gal	Av. Price $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls		
Garland City of																		
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia Power Co																		
1984	27,582	78.7	12,097	10.1	1.8	47.67	42.93	46.66	-	-	-	-	-	-	-	112	138,000	33.66
1985	25,485	94.6	12,096	10.0	1.8	45.84	39.87	45.52	30	-	147,000	2.8	-	21.28	21.28	478	138,000	32.69
1986	26,471	92.6	12,120	9.8	1.8	44.63	35.57	43.96	177	-	149,075	.3	-	10.94	10.94	166	138,000	20.01
1987	25,574	82.6	12,149	10.0	1.8	45.22	35.81	43.58	76	-	147,000	2.8	-	18.91	18.91	181	138,000	22.61
1988	24,265	88.2	12,145	10.2	1.7	43.58	34.21	42.48	105	-	149,000	.2	-	13.61	13.61	197	138,000	19.62
Glendale City of																		
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	58	-	148,511	.2	-	16.17	16.17	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grand Haven City of																		
1984	161	100.0	10,996	11.5	2.8	41.24	-	41.24	-	-	-	-	-	-	-	-	-	-
1985	177	55.5	11,176	10.3	2.4	41.81	37.01	39.67	-	-	-	-	-	-	-	-	-	-
1986	105	48.1	11,103	10.4	2.7	39.19	33.75	36.37	-	-	-	-	-	-	-	-	-	-
1987	183	54.7	10,965	10.5	2.6	38.89	29.00	34.41	-	-	-	-	-	-	-	-	-	-
1988	160	46.3	10,902	10.5	2.5	39.69	30.76	34.89	-	-	-	-	-	-	-	-	-	-
Grand Island City of																		
1984	195	100.0	8,120	5.8	.4	29.23	-	29.23	-	-	-	-	-	-	-	-	-	-
1985	216	100.0	8,105	5.9	.4	29.36	-	29.36	-	-	-	-	-	-	-	-	-	-
1986	208	100.0	8,116	5.7	.4	29.72	-	29.72	-	-	-	-	-	-	-	1	140,476	22.16
1987	225	100.0	8,088	6.1	.4	28.87	-	28.87	-	-	-	-	-	-	-	1	140,000	23.31
1988	247	14.6	8,438	5.1	.3	26.13	11.31	13.47	-	-	-	-	-	-	-	1	140,000	20.90
Grand River Dam Authority																		
1984	2,123	99.0	8,265	5.4	.6	25.15	31.41	25.22	-	-	-	-	-	-	-	28	136,926	33.82
1985	2,279	79.4	8,239	5.2	.3	23.54	21.27	23.07	-	-	-	-	-	-	-	40	136,341	32.47
1986	2,563	98.1	8,400	5.1	.4	22.98	30.19	23.12	-	-	-	-	-	-	-	45	137,828	19.29
1987	2,151	100.0	8,464	5.5	.5	24.17	-	24.17	-	-	-	-	-	-	-	34	137,265	22.47
1988	2,799	99.0	8,513	5.3	.5	17.25	30.31	17.38	-	-	-	-	-	-	-	37	137,607	19.74
Greenville City of																		
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gulf Power Co																		
1984	2,649	99.9	12,075	10.3	2.3	53.57	6.58	53.53	-	-	-	-	-	-	-	16	137,000	34.65
1985	2,977	99.0	12,027	10.6	2.2	54.36	37.36	54.18	-	-	-	-	-	-	-	22	137,000	32.42
1986	3,092	79.3	12,012	10.5	2.1	52.10	33.16	48.19	-	-	-	-	-	-	-	16	137,000	20.48
1987	3,240	46.4	12,247	9.7	2.8	53.29	30.62	41.14	-	-	-	-	-	-	-	15	137,000	22.47
1988	3,755	50.2	12,275	9.1	2.8	48.02	30.73	39.41	-	-	-	-	-	-	-	22	137,000	19.99
Gulf States Utilities Co																		
1984	1,952	100.0	8,668	5.9	.4	37.94	-	37.94	-	-	-	-	-	-	-	11	140,602	36.57
1985	2,093	100.0	8,630	6.6	.5	38.96	-	38.96	-	-	-	-	-	-	-	11	141,591	31.24
1986	2,303	100.0	8,586	6.5	.5	32.97	-	32.97	139	-	149,290	.5	-	9.49	9.49	1	141,446	21.92
1987	2,181	100.0	8,573	6.6	.5	32.88	-	32.88	99	-	150,575	.6	-	17.49	17.49	17	140,299	20.54
1988	2,048	100.0	8,658	6.3	.5	34.87	-	34.87	207	-	149,896	.4	-	13.15	13.15	27	139,245	19.14
Hamilton City of																		
1984	126	100.0	12,194	10.2	.7	43.94	-	43.94	-	-	-	-	-	-	-	-	-	-
1985	108	100.0	12,537	9.2	.7	41.13	-	41.13	-	-	-	-	-	-	-	1	137,000	26.88
1986	113	100.0	12,441	9.0	.7	37.19	-	37.19	-	-	-	-	-	-	-	1	137,000	20.12
1987	99	100.0	12,441	9.0	.6	35.19	-	35.19	-	-	-	-	-	-	-	1	137,000	23.22
1988	113	100.0	12,527	8.5	.7	34.80	-	34.80	-	-	-	-	-	-	-	1	137,000	21.40

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Garland City of																
1987	6,283	1,039	1.69	–	1.69	–	–	–	6,528	–	–	100	10,612	–	–	10,612
1988	6,411	1,028	1.81	–	1.81	–	–	–	6,593	–	–	100	11,579	–	–	11,579
Georgia Power Co																
1984	93	1,024	4.11	–	4.11	–	667,332	650	96	100	0	0	1,291,061	1,286,901	3,777	384
1985	397	1,026	4.51	4.22	4.24	93.1	616,527	2,957	408	99	0	0	1,177,942	1,159,982	16,276	1,685
1986	5,106	1,024	1.63	3.78	1.77	6.1	641,662	2,075	5,230	99	0	1	1,177,928	1,163,644	5,272	9,013
1987	308	1,024	–	3.54	3.54	100.0	621,408	1,517	316	100	0	0	1,121,259	1,114,643	5,524	1,093
1988	147	1,027	–	3.50	3.50	100.0	589,376	1,805	151	100	0	0	1,036,516	1,030,689	5,311	515
Glendale City of																
1984	1,293	1,079	5.28	–	5.28	–	–	–	1,395	–	–	100	6,818	–	–	6,818
1985	1,243	1,082	4.58	–	4.58	–	–	–	1,345	–	–	100	5,699	–	–	5,699
1986	1,639	1,060	2.65	–	2.65	–	–	364	1,737	–	17	83	5,289	–	944	4,346
1987	2,205	1,043	2.56	–	2.56	–	–	–	2,300	–	–	100	5,638	–	–	5,638
1988	1,962	1,044	2.65	–	2.65	–	–	–	2,047	–	–	100	5,198	–	–	5,198
Grand Haven City of																
1984	–	–	–	–	–	–	3,552	–	–	100	–	–	6,660	6,660	–	–
1985	–	–	–	–	–	–	3,952	–	–	100	–	–	7,014	7,014	–	–
1986	–	–	–	–	–	–	2,323	–	–	100	–	–	3,804	3,804	–	–
1987	–	–	–	–	–	–	4,007	–	–	100	–	–	6,286	6,286	–	–
1988	–	–	–	–	–	–	3,486	–	–	100	–	–	5,579	5,579	–	–
Grand Island City of																
1984	206	940	2.90	–	2.90	–	3,165	–	194	94	–	6	6,296	5,698	–	598
1985	1	941	3.20	–	3.20	–	3,500	–	1	100	–	0	6,344	6,340	–	5
1986	10	940	3.27	–	3.27	–	3,378	7	10	100	0	0	6,244	6,184	26	34
1987	38	940	3.18	–	3.18	–	3,635	4	36	99	0	1	6,622	6,487	15	121
1988	51	940	3.15	–	3.15	–	4,173	7	48	99	0	1	3,516	3,330	25	160
Grand River Dam Authority																
1984	–	–	–	–	–	–	35,089	162	–	100	0	–	54,482	53,527	955	–
1985	51	1,027	3.64	–	3.64	–	37,551	232	52	99	1	0	54,075	52,576	1,314	185
1986	30	1,025	5.76	–	5.76	–	43,398	260	31	99	1	0	60,755	59,718	866	171
1987	22	1,020	7.27	–	7.27	–	36,404	196	22	99	1	0	52,893	51,968	765	160
1988	14	1,017	4.49	–	4.49	–	47,650	214	14	100	0	0	49,440	48,647	730	63
Greenville City of																
1984	742	1,015	4.01	–	4.01	–	–	–	753	–	–	100	2,978	–	–	2,978
1985	434	1,040	3.37	–	3.37	–	–	–	451	–	–	100	1,463	–	–	1,463
1986	895	1,078	1.80	–	1.80	–	–	–	965	–	–	100	1,608	–	–	1,608
1987	1,625	1,072	1.78	–	1.78	–	–	–	1,741	–	–	100	2,888	–	–	2,888
1988	1,739	1,072	2.05	–	2.05	–	–	–	1,864	–	–	100	3,557	–	–	3,557
Gulf Power Co																
1984	338	1,000	3.81	1.14	2.13	62.9	63,967	93	338	99	0	1	143,059	141,781	558	720
1985	517	1,000	3.78	1.06	2.00	65.4	71,598	128	517	99	0	1	163,039	161,283	723	1,034
1986	944	1,000	3.37	.97	2.71	27.7	74,293	91	944	99	0	1	151,892	149,013	326	2,554
1987	834	1,000	1.76	.74	1.61	14.8	79,356	89	834	99	0	1	134,975	133,286	348	1,341
1988	738	1,000	1.77	.52	1.38	31.3	92,185	128	738	99	0	1	149,448	147,965	444	1,018
Gulf States Utilities Co																
1984	230,685	1,042	–	1.50	1.50	100.0	33,835	65	240,375	12	0	88	420,531	74,057	405	346,069
1985	145,958	1,049	2.53	3.14	3.11	95.4	36,126	68	153,181	19	0	81	535,944	81,552	355	454,037
1986	163,475	1,047	1.72	2.00	1.96	85.8	39,548	874	171,238	19	0	81	397,203	75,921	1,329	319,953
1987	157,651	1,042	1.73	1.79	1.78	84.7	37,397	726	164,321	18	0	81	355,091	71,714	2,078	281,298
1988	155,251	1,041	1.81	1.90	1.89	84.2	35,464	1,461	161,605	18	1	81	367,573	71,407	3,238	292,928
Hamilton City of																
1984	41	1,000	–	4.43	4.43	100.0	3,070	–	41	99	–	1	5,712	5,531	–	180
1985	34	1,000	–	4.78	4.78	100.0	2,702	3	34	99	0	1	4,608	4,432	14	161
1986	20	1,000	–	4.41	4.41	100.0	2,805	4	20	99	0	1	4,296	4,192	14	89
1987	283	1,000	–	2.10	2.10	100.0	2,457	4	283	90	0	10	4,086	3,475	16	595
1988	189	1,000	–	2.78	2.78	100.0	2,821	5	189	94	0	6	4,463	3,918	19	525

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Del Quan		Average Quality			Average Price in Dollars per Ton			Del Quan		Average Quality		Average Price in Dollars per Bbl			Del Quan	Btu per Gal	Av. Price $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls		
Hartford Electric Light Co																		
1984	-	-	-	-	-	-	-	-	4,108	95.1	148,401	0.5	31.05	30.15	31.01	3	137,936	36.58
1985	-	-	-	-	-	-	-	-	3,693	95.6	148,529	.5	27.76	26.86	27.72	3	137,803	34.64
Hastings City of																		
1984	127	100.0	8,165	5.7	0.4	29.29	-	29.29	-	-	-	-	-	-	-	-	-	-
1985	132	100.0	8,104	5.9	.3	29.37	-	29.37	-	-	-	-	-	-	-	-	-	-
1986	134	100.0	8,159	5.8	.4	29.40	-	29.40	-	-	-	-	-	-	-	-	-	-
1987	163	100.0	8,070	6.3	.4	28.75	-	28.75	-	-	-	-	-	-	-	-	-	-
1988	199	-	8,681	5.2	.3	-	15.66	15.66	-	-	-	-	-	-	-	-	-	-
Hawaiian Electric Co Inc																		
1984	-	-	-	-	-	-	-	-	9,162	98.3	150,054	.4	34.19	30.15	34.12	39	137,421	36.85
1985	-	-	-	-	-	-	-	-	9,162	100.0	149,188	.4	30.42	-	30.42	27	137,725	37.03
1986	-	-	-	-	-	-	-	-	9,387	94.8	149,059	.4	18.08	15.00	17.92	28	136,817	26.94
1987	-	-	-	-	-	-	-	-	10,323	99.0	149,301	.4	21.58	20.67	21.57	51	139,407	27.14
1988	-	-	-	-	-	-	-	-	9,993	100.0	149,171	.5	17.96	-	17.96	7	137,744	22.09
Henderson City of																		
1984	144	100.0	11,197	10.5	2.6	33.11	-	33.11	-	-	-	-	-	-	-	-	-	-
1985	132	100.0	11,152	10.9	2.5	33.37	-	33.37	-	-	-	-	-	-	-	-	-	-
1986	121	100.0	11,243	10.3	2.4	34.02	-	34.02	-	-	-	-	-	-	-	-	-	-
Holland City of																		
1984	124	-	13,087	7.3	.8	-	52.84	52.84	-	-	-	-	-	-	-	-	-	-
1985	166	-	13,256	6.8	.9	-	48.64	48.64	-	-	-	-	-	-	-	-	-	-
1986	183	-	13,161	6.9	.9	-	46.59	46.59	-	-	-	-	-	-	-	-	-	-
1987	148	-	13,067	7.4	.8	-	41.66	41.66	-	-	-	-	-	-	-	-	-	-
1988	126	89.9	13,293	6.4	.8	42.27	42.32	42.27	-	-	-	-	-	-	-	-	-	-
Holyoke Water Power Co																		
1984	440	-	13,077	7.6	1.3	-	56.40	56.40	-	-	-	-	-	-	-	4	136,666	36.05
1985	340	-	13,170	7.8	1.3	-	54.80	54.80	-	-	-	-	-	-	-	4	137,769	34.75
1986	374	-	13,085	7.5	1.3	-	50.66	50.66	-	-	-	-	-	-	-	4	137,731	17.98
1987	392	-	13,250	7.5	1.4	-	45.86	45.86	-	-	-	-	-	-	-	3	138,106	23.06
1988	415	-	13,194	7.3	1.3	-	45.58	45.58	-	-	-	-	-	-	-	2	138,208	20.17
Hoosier Energy R E C Inc																		
1984	3,150	77.5	10,855	11.5	2.8	30.81	26.82	29.91	-	-	-	-	-	-	-	17	133,419	35.25
1985	2,726	85.4	10,877	10.7	3.1	36.35	22.23	34.28	-	-	-	-	-	-	-	31	137,115	32.30
1986	2,357	90.4	10,893	9.8	3.2	36.65	21.51	35.19	-	-	-	-	-	-	-	28	138,253	19.59
1987	2,611	74.1	10,942	10.4	3.4	36.47	19.03	31.95	-	-	-	-	-	-	-	15	135,682	22.99
1988	2,371	64.7	11,058	11.3	3.4	28.54	18.76	25.09	-	-	-	-	-	-	-	19	136,331	21.01
Houston Lighting & Power Co																		
1984	9,476	100.0	8,447	5.4	.4	46.08	-	46.08	30	-	146,801	.7	-	20.05	20.05	0	138,551	16.61
1985	10,151	100.0	8,385	5.7	.4	41.15	-	41.15	[3] 81	-	140,838	.5	-	29.85	29.85	51	137,505	32.38
1986	12,845	100.0	7,868	9.4	.7	36.45	-	36.45	165	-	149,163	.1	-	9.74	9.74	-	-	-
1987	15,901	100.0	7,521	11.4	.7	32.06	-	32.06	-	-	-	-	-	-	-	-	-	-
1988	15,470	84.6	7,480	11.7	.7	30.68	30.07	30.59	[3] 0	-	144,524	.0	-	18.30	18.30	1	139,762	24.66
Illinois Power Co																		
1984	[1] 8,094	82.3	10,795	10.6	2.5	34.03	34.49	34.11	108	100.0	153,166	1.0	37.60	-	37.60	45	138,000	36.69
1985	6,945	88.8	10,942	10.1	2.5	32.87	35.63	33.18	69	100.0	149,914	.9	27.71	-	27.71	37	138,000	34.63
1986	[1] 7,670	87.2	11,106	10.0	2.4	32.30	31.70	32.22	125	100.0	150,000	.9	12.28	-	12.28	59	138,000	20.70
1987	7,611	83.8	11,159	9.8	2.4	32.10	32.07	32.09	97	100.0	150,381	.7	19.64	-	19.64	50	138,000	23.7[illegible]
1988	6,321	94.4	11,148	9.7	2.4	32.79	35.39	32.94	125	100.0	154,150	.9	16.92	-	16.92	40	138,000	21.85
Imperial Irrigation District																		
1984	-	-	-	-	-	-	-	-	5	-	149,500	1.4	-	27.26	27.26	-	-	-
1985	-	-	-	-	-	-	-	-	18	-	149,500	1.2	-	26.09	26.09	-	-	-
1986	-	-	-	-	-	-	-	-	115	-	149,500	1.2	-	15.32	15.32	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	223	-	149,500	1.2	-	18.11	18.11	-	-	-

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Hartford Electric Light Co																
1984	–	–	–	–	–	–	–	25,622	–	–	100	–	127,482	–	127,482	–
1985	–	–	–	–	–	–	–	23,058	–	–	100	–	102,472	–	102,472	–
Hastings City of																
1984	21	1,026	3.23	–	3.23	–	2,082	–	22	99	–	1	3,803	3,734	–	69
1985	–	–	–	–	–	–	2,139	–	–	100	–	–	3,877	3,877	–	–
1986	–	–	–	–	–	–	2,192	–	–	100	–	–	3,948	3,948	–	–
1987	–	–	–	–	–	–	2,636	–	–	100	–	–	4,695	4,695	–	–
1988	–	–	–	–	–	–	3,451	–	–	100	–	–	3,114	3,114	–	–
Hawaiian Electric Co Inc																
1984	–	–	–	–	–	–	–	57,968	–	–	100	–	314,053	–	314,053	–
1985	–	–	–	–	–	–	–	57,565	–	–	100	–	279,721	–	279,721	–
1986	–	–	–	–	–	–	–	58,931	–	–	100	–	168,957	–	168,957	–
1987	–	–	–	–	–	–	–	65,031	–	–	100	–	224,100	–	224,100	–
1988	–	–	–	–	–	–	–	62,646	–	–	100	–	179,626	–	179,626	–
Henderson City of																
1984	–	–	–	–	–	–	3,225	–	–	100	–	–	4,768	4,768	–	–
1985	–	–	–	–	–	–	2,944	–	–	100	–	–	4,405	4,405	–	–
1986	–	–	–	–	–	–	2,721	–	–	100	–	–	4,117	4,117	–	–
Holland City of																
1984	–	–	–	–	–	–	3,244	–	–	100	–	–	6,549	6,549	–	–
1985	–	–	–	–	–	–	4,391	–	–	100	–	–	8,057	8,057	–	–
1986	–	–	–	–	–	–	4,828	–	–	100	–	–	8,546	8,546	–	–
1987	–	–	–	–	–	–	3,875	–	–	100	–	–	6,177	6,177	–	–
1988	–	–	–	–	–	–	3,340	–	–	100	–	–	5,311	5,311	–	–
Holyoke Water Power Co																
1984	–	–	–	–	–	–	11,513	24	–	100	0	–	24,977	24,829	148	–
1985	–	–	–	–	–	–	8,958	22	–	100	0	–	18,770	18,638	132	–
1986	–	–	–	–	–	–	9,780	23	–	100	0	–	19,000	18,930	70	–
1987	–	–	–	–	–	–	10,391	20	–	100	0	–	18,061	17,983	78	–
1988	–	–	–	–	–	–	10,954	14	–	100	0	–	18,967	18,918	48	–
Hoosier Energy R E C Inc																
1984	–	–	–	–	–	–	68,385	98	–	100	0	–	94,832	94,216	615	–
1985	–	–	–	–	–	–	59,304	177	–	100	0	–	94,443	93,453	990	–
1986	–	–	–	–	–	–	51,358	163	–	100	0	–	83,515	82,965	550	–
1987	–	–	–	–	–	–	57,143	87	–	100	0	–	83,781	83,430	351	–
1988	–	–	–	–	–	–	52,427	112	–	100	0	–	59,878	59,468	409	–
Houston Lighting & Power Co																
1984	334,936	1,036	3.55	3.42	3.42	99.2	160,089	184	346,885	32	0	68	1,583,330	436,670	597	1,146,064
1985	312,748	1,037	2.65	3.07	3.03	91.3	170,232	772	324,458	34	0	65	1,369,237	417,720	4,060	947,458
1986	243,180	1,037	1.70	1.87	1.83	79.2	202,135	1,036	252,065	44	0	55	915,805	468,144	1,611	446,050
1987	248,259	1,036	1.59	1.75	1.72	78.5	239,190	–	257,247	48	–	52	935,862	509,734	–	426,128
1988	231,479	1,033	1.81	1.82	1.82	83.0	231,425	8	239,182	49	0	51	894,001	473,221	35	420,745
Illinois Power Co																
1984	909	1,040	4.24	4.26	4.24	8.2	174,732	952	945	99	1	1	285,640	276,093	5,691	3,856
1985	352	1,037	4.53	3.75	4.41	14.9	151,976	648	365	99	0	0	235,177	230,436	3,191	1,550
1986	417	1,040	3.36	2.84	3.29	13.1	170,363	1,127	434	99	1	0	251,249	247,124	2,751	1,374
1987	517	1,030	2.58	2.55	2.58	12.8	169,876	904	533	99	1	0	248,708	244,272	3,101	1,334
1988	779	1,019	2.79	2.78	2.79	11.1	140,947	1,042	794	99	1	1	213,398	208,232	2,995	2,171
Imperial Irrigation District																
1984	2,736	1,035	4.77	–	4.77	–	–	30	2,831	–	1	99	13,175	–	128	13,047
1985	3,913	1,039	4.11	–	4.11	–	–	111	4,064	–	3	97	16,539	–	462	16,077
1986	3,885	1,029	2.43	–	2.43	–	–	725	3,997	–	15	85	11,211	–	1,770	9,441
1987	4,677	1,028	2.72	–	2.72	–	–	–	4,810	–	–	100	12,702	–	–	12,702
1988	4,774	1,025	3.05	–	3.05	–	–	1,401	4,894	–	22	78	18,620	–	4,041	14,578

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Del Quan		Average Quality			Average Price in Dollars per Ton			Del Quan		Average Quality		Average Price in Dollars per Bbl			Del Quan	Btu per Gal	Av. Price $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls		
Independence City of																		
1984	191	–	12,189	11.0	2.8	–	36.67	36.67	–	–	–	–	–	–	–	–	–	–
1985	211	–	12,007	11.6	2.7	–	38.69	38.69	–	–	–	–	–	–	–	6	137,674	38.48
1986	145	–	12,119	11.0	3.6	–	39.13	39.13	–	–	–	–	–	–	–	2	137,674	34.72
1987	163	55.9	11,964	12.1	3.4	39.33	39.15	39.25	–	–	–	–	–	–	–	–	–	–
1988	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Indiana & Michigan Electric Co																		
1984	3,988	82.7	9,839	8.1	1.9	44.24	28.81	41.56	–	–	–	–	–	–	–	158	137,640	34.76
1985	5,568	61.1	9,247	7.5	1.5	42.60	28.09	36.95	–	–	–	–	–	–	–	138	137,695	32.42
1986	6,373	94.6	9,437	6.8	1.3	35.76	24.90	35.18	–	–	–	–	–	–	–	100	137,951	21.62
1987	5,437	94.9	9,511	7.0	1.3	29.76	21.75	29.35	–	–	–	–	–	–	–	80	137,446	23.69
1988	5,290	98.4	9,527	6.8	1.2	31.25	49.86	31.55	–	–	–	–	–	–	–	146	137,110	20.60
Indiana-Kentucky Electric Corp																		
1984	3,946	89.9	11,285	10.6	3.2	28.60	26.94	28.43	–	–	–	–	–	–	–	2	137,621	38.22
1985	4,352	72.8	11,262	10.6	3.3	28.03	25.33	27.30	–	–	–	–	–	–	–	3	137,621	36.13
1986	3,887	75.9	11,374	10.2	3.3	28.01	22.98	26.80	–	–	–	–	–	–	–	2	137,621	24.48
1987	4,812	59.1	11,539	10.3	3.3	25.75	22.81	24.55	–	–	–	–	–	–	–	3	137,621	25.91
1988	3,932	74.6	11,544	10.7	3.3	26.19	22.55	25.27	–	–	–	–	–	–	–	3	137,621	24.10
Indianapolis Power & Light Co																		
1984	5,537	95.5	11,052	8.9	2.0	29.68	25.04	29.47	–	–	–	–	–	–	–	56	136,100	35.08
1985	4,703	100.0	11,096	8.5	2.1	30.62	–	30.62	–	–	–	–	–	–	–	77	135,827	34.84
1986	5,633	96.1	11,200	8.1	2.5	28.82	25.36	28.69	–	–	–	–	–	–	–	40	136,793	24.26
1987	5,906	90.0	11,257	7.8	2.0	27.74	21.84	27.15	–	–	–	–	–	–	–	–	–	–
1988	5,281	92.3	11,181	8.1	2.1	24.76	19.77	24.38	–	–	–	–	–	–	–	–	–	–
Interstate Power Co																		
1984	1,502	100.0	9,741	7.2	1.6	36.29	–	36.29	–	–	–	–	–	–	–	11	140,000	34.85
1985	1,415	94.5	9,958	7.4	1.8	36.09	41.52	36.39	–	–	–	–	–	–	–	8	140,000	33.69
1986	1.400	89.3	9,796	7.3	1.7	37.41	28.60	36.46	–	–	–	–	–	–	–	10	140,000	23.46
1987	1,566	87.7	9,668	7.2	1.6	35.81	25.66	34.56	–	–	–	–	–	–	–	6	140,000	24.37
1988	1,380	75.5	9,494	6.8	1.3	36.66	24.65	33.73	–	–	–	–	–	–	–	6	140,000	20.68
Iowa Electric Light & Power Co																		
1984	507	100.0	10,446	9.5	2.3	59.10	–	59.10	–	–	–	–	–	–	–	–	–	–
1985	656	83.4	10,993	8.5	2.4	33.04	30.16	32.56	–	–	–	–	–	–	–	8	138,875	32.29
1986	704	97.7	11,308	8.1	2.2	32.01	28.99	31.94	–	–	–	–	–	–	–	14	138,536	19.68
1987	840	97.4	11,357	7.8	2.2	30.04	26.94	29.95	–	–	–	–	–	–	–	15	138,533	24.01
1988	795	81.8	11,519	8.1	2.2	31.92	32.00	31.94	–	–	–	–	–	–	–	17	138,500	23.86
Iowa Power & Light Co																		
1984	3,054	70.2	8,397	5.1	.4	19.40	17.76	18.91	–	–	–	–	–	–	–	21	136,000	34.43
1985	2,328	90.2	8,376	5.1	.4	19.78	20.82	19.88	–	–	–	–	–	–	–	5	136,000	33.68
1986	2,171	95.6	8,444	5.6	.3	19.25	13.52	18.99	–	–	–	–	–	–	–	–	–	–
1987	2,671	79.2	8,334	5.1	.4	18.09	11.48	16.71	–	–	–	–	–	–	–	–	–	–
1988	2,831	76.9	8,424	4.8	.3	18.76	10.77	16.91	–	–	–	–	–	–	–	30	136,000	20.63
Iowa Public Service Co																		
1984	3,562	94.4	9,087	7.2	.6	27.27	25.18	27.15	–	–	–	–	–	–	–	31	138,000	33.97
1985	3,643	87.6	8,950	6.7	.5	26.96	22.47	26.40	–	–	–	–	–	–	–	16	138,000	34.53
1986	1,962	100.0	9,449	6.5	.5	27.75	–	27.75	–	–	–	–	–	–	–	22	138,000	19.23
1987	3,007	100.0	9,346	6.4	.5	22.34	–	22.34	–	–	–	–	–	–	–	30	138,000	22.84
1988	2,968	100.0	9,502	6.3	.5	22.98	50.00	22.98	–	–	–	–	–	–	–	10	138,171	19.77
Iowa Southern Utilities Co																		
1984	2,744	82.5	8,783	6.9	.8	24.34	25.82	24.77	–	–	–	–	–	–	–	12	137,881	35.47
1985	2,334	84.0	8,765	6.5	.8	23.48	25.68	23.83	–	–	–	–	–	–	–	5	137,881	35.41
1986	2,311	97.5	8,613	6.3	.7	20.36	22.77	20.44	–	–	–	–	–	–	–	8	137,881	22.51
1987	2,651	94.9	8,741	6.3	.7	18.97	21.01	19.07	–	–	–	–	–	–	–	7	137,881	24.28
1988	[1] 2,684	87.1	8,800	6.1	.7	18.99	20.90	19.23	–	–	–	–	–	–	–	7	137,881	22.58

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Independence City of																
1984	135	994	3.57	-	3.57	-	4,654	-	134	97	-	3	7,482	7,000	-	482
1985	202	986	2.99	-	2.99	-	5,077	32	199	96	1	4	8,998	8,178	216	604
1986	116	964	2.53	-	2.53	-	3,519	13	112	97	0	3	6,052	5,680	76	295
1987	160	973	3.08	-	3.08	-	3,898	-	155	96	-	4	6,887	6,395	-	492
1988	25	980	2.95	-	2.95	-	-	-	24	-	-	100	74	-	-	74
Indiana & Michigan Electric Co																
1984	-	-	-	-	-	-	78,481	913	-	99	1	-	171,243	165,751	5,492	-
1985	-	-	-	-	-	-	102,975	797	-	99	1	-	210,213	205,742	4,471	-
1986	-	-	-	-	-	-	120,288	582	-	100	0	-	226,359	224,189	2,171	-
1987	-	-	-	-	-	-	103,423	462	-	100	0	-	161,474	159,577	1,897	-
1988	-	-	-	-	-	-	100,799	840	-	99	1	-	169,895	166,891	3,004	-
Indiana-Kentucky Electric Corp																
1984	-	-	-	-	-	-	89,060	11	-	100	0	-	112,275	112,203	73	-
1985	-	-	-	-	-	-	98,022	15	-	100	0	-	118,893	118,801	93	-
1986	-	-	-	-	-	-	88,423	11	-	100	0	-	104,215	104,168	46	-
1987	-	-	-	-	-	-	111,052	15	-	100	0	-	118,201	118,134	67	-
1988	-	-	-	-	-	-	90,780	20	-	100	0	-	99,442	99,358	84	-
Indianapolis Power & Light Co																
1984	-	-	-	-	-	-	122,378	320	-	100	0	-	165,145	163,181	1,964	-
1985	-	-	-	-	-	-	104,372	440	-	100	0	-	146,706	144,020	2,686	-
1986	-	-	-	-	-	-	126,183	232	-	100	0	-	162,579	161,598	981	-
1987	-	-	-	-	-	-	133,008	-	-	100	-	-	160,385	160,385	-	-
1988	-	-	-	-	-	-	118,089	-	-	100	-	-	128,735	128,735	-	-
Interstate Power Co																
1984	927	1,000	3.58	-	3.58	-	29,254	62	927	97	0	3	58,173	54,491	369	3,313
1985	505	1,001	3.51	-	3.51	-	28,176	49	506	98	0	2	53,542	51,489	280	1,773
1986	780	1,001	2.63	-	2.63	-	27,427	59	780	97	0	3	53,333	51,046	237	2,050
1987	909	1,000	1.99	-	1.99	-	30,289	35	910	97	0	3	56,098	54,140	144	1,814
1988	2,641	1,005	1.87	-	1.87	-	26,213	34	2,654	91	0	9	51,618	46,560	120	4,938
Iowa Electric Light & Power Co																
1984	229	1,000	3.81	-	3.81	-	10,592	-	229	98	-	2	30,836	29,963	-	873
1985	138	1,000	3.71	-	3.71	-	14,423	47	138	99	0	1	22,131	21,360	258	512
1986	212	1,000	3.37	-	3.37	-	15,921	81	212	98	1	1	23,476	22,486	275	715
1987	441	1,000	2.57	-	2.57	-	19,080	87	441	97	0	2	26,653	25,161	360	1,132
1988	448	1,000	2.58	-	2.58	-	18,315	99	448	97	1	2	26,952	25,389	406	1,157
Iowa Power & Light Co																
1984	192	988	4.29	-	4.29	-	51,294	119	190	99	0	0	59,301	57,762	716	823
1985	142	1,000	3.95	-	3.95	-	39,004	29	142	100	0	0	47,033	46,299	172	562
1986	92	1,003	3.36	-	3.36	-	36,660	-	92	100	-	0	41,540	41,232	-	308
1987	128	996	2.36	-	2.36	-	44,518	-	128	100	-	0	44,931	44,629	-	302
1988	41	995	3.44	-	3.44	-	47,691	173	41	100	0	0	48,648	47,881	625	141
Iowa Public Service Co																
1984	231	1,000	3.95	-	3.95	-	64,739	179	231	99	0	0	98,687	96,727	1,046	913
1985	168	1,000	3.82	-	3.82	-	65,202	93	168	100	0	0	97,367	96,175	551	640
1986	71	1,000	2.82	3.61	2.86	5.2	37,453	128	71	99	0	0	55,626	54,997	424	204
1987	1,276	1,000	1.61	-	1.61	-	56,212	176	1,276	97	0	2	69,928	67,183	692	2,054
1988	1,329	1,000	1.62	-	1.62	-	56,401	60	1,329	98	0	2	70,563	68,209	204	2,151
Iowa Southern Utilities Co																
1984	-	-	-	-	-	-	48,100	69	-	100	0	-	68,405	67,984	421	-
1985	-	-	-	-	-	-	40,915	32	-	100	0	-	55,825	55,630	195	-
1986	-	-	-	-	-	-	39,814	47	-	100	0	-	47,432	47,249	182	-
1987	-	-	-	-	-	-	46,341	43	-	100	0	-	50,733	50,551	182	-
1988	-	-	-	-	-	-	47,235	42	-	100	0	-	51,778	51,615	163	-

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Del Quan		Average Quality			Average Price in Dollars per Ton			Del Quan		Average Quality		Average Price in Dollars per Bbl			Del Quan	Btu per Gal	Av. Price $/Bbl
	1,000 Short Tons	% on Con tract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Con tract	Spot	Total	1,000 Bbls	% on Con tract	Btu per Gal	Sulf Wt Pct	Con tract	Spot	Total	1,000 Bbls		
Iowa-Illinois Gas&Electric Co																		
1984	1,037	100.0	8,565	6.4	0.6	27.72	-	27.72	-	-	-	-	-	-	-	-	-	-
1985	1,145	100.0	8,540	6.2	.6	26.54	-	26.54	-	-	-	-	-	-	-	-	-	-
1986	2,123	67.6	8,706	6.2	.7	22.74	15.34	20.35	-	-	-	-	-	-	-	-	-	-
1987	2,310	98.5	8,600	5.8	.5	19.38	13.37	19.29	-	-	-	-	-	-	-	-	-	-
1988	2,501	99.6	8,792	5.5	.5	19.64	31.88	19.69	-	-	-	-	-	-	-	-	-	-
Jacksonville Electric Auth																		
1984	-	-	-	-	-	-	-	-	2,074	100.0	152,453	1.2	26.81	-	28.81	-	-	-
1985	-	-	-	-	-	-	-	-	3,243	100.0	151,674	1.4	23.66	-	23.66	-	-	-
1986	204	100.0	11,728	12.8	3.8	33.45	-	33.45	6,833	100.0	151,512	1.4	13.24	-	13.24	-	-	-
1987	1,766	64.5	12,405	10.5	1.5	42.06	35.06	39.58	2,719	100.0	151,594	1.5	18.67	-	18.67	39	139,164	21.71
1988	2,869	80.0	12,297	9.8	.9	41.30	35.84	40.21	4,288	46.1	151,710	1.7	12.82	13.20	13.03	68	139,000	20.50
Jamestown City of																		
1984	122	-	12,774	9.3	1.9	-	37.24	37.24	-	-	-	-	-	-	-	-	-	-
1985	101	-	12,643	10.2	1.4	-	36.74	36.74	-	-	-	-	-	-	-	-	-	-
1986	122	-	12,741	9.5	1.5	-	35.69	35.69	-	-	-	-	-	-	-	-	-	-
1987	116	-	12,767	10.0	1.5	-	33.48	33.48	-	-	-	-	-	-	-	-	-	-
1988	137	-	12,764	11.1	1.6	-	33.03	33.03	-	-	-	-	-	-	-	-	-	-
Jersey Central Power&Light Co																		
1984	-	-	-	-	-	-	-	-	629	100.0	147,296	.5	30.85	-	30.85	1	138,075	36.06
1985	-	-	-	-	-	-	-	-	395	100.0	147,464	.4	27.12	-	27.12	1	136,890	34.40
1986	-	-	-	-	-	-	-	-	1,163	100.0	147,505	.4	15.62	-	15.62	1	135,193	20.21
1987	-	-	-	-	-	-	-	-	463	100.0	148,525	.5	19.58	-	19.58	1	137,469	23.77
1988	-	-	-	-	-	-	-	-	1,416	71.0	149,459	.5	16.37	14.29	15.77	1	137,799	21.14
Kansas City City of																		
1984	1,306	51.6	9,736	8.7	1.4	42.15	43.16	42.64	-	-	-	-	-	-	-	9	138,000	34.83
1985	1,491	100.0	9,248	7.5	1.1	33.70	-	33.70	-	-	-	-	-	-	-	5	138,000	31.30
1986	1,239	86.3	9,116	5.8	.8	23.19	32.76	24.51	-	-	-	-	-	-	-	9	138,000	17.83
1987	1,338	98.4	9,222	7.3	1.0	26.75	34.12	26.87	-	-	-	-	-	-	-	16	138,000	22.55
1988	1,493	93.4	9,671	7.4	1.2	27.14	22.99	26.87	-	-	-	-	-	-	-	13	138,000	19.89
Kansas City Power & Light Co																		
1984	8,485	84.2	9,193	10.2	1.7	25.47	21.77	24.88	-	-	-	-	-	-	-	148	138,086	35.38
1985	7,480	81.7	9,119	10.8	1.8	23.06	23.00	23.05	-	-	-	-	-	-	-	126	138,853	32.03
1986	7,260	88.1	8,897	10.9	1.7	19.39	18.24	19.25	-	-	-	-	-	-	-	124	138,772	19.49
1987	8,589	76.5	8,944	9.5	1.5	17.84	18.31	17.95	-	-	-	-	-	-	-	83	138,289	22.46
1988	8,148	67.5	8,934	6.2	.7	17.04	18.57	17.54	-	-	-	-	-	-	-	90	138,740	20.04
Kansas Gas & Electric Co																		
1984	-	-	-	-	-	-	-	-	48	-	152,575	1.1	-	31.33	31.33	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	45	-	148,497	1.5	-	17.05	17.05	-	-	-
Kansas Power & Light Co																		
1984	9,160	100.0	8,652	5.6	.4	25.87	-	25.87	30	-	156,721	1.0	-	31.40	31.40	8	141,339	36.93
1985	8,684	100.0	8,565	5.2	.4	23.22	-	23.22	-	-	-	-	-	-	-	-	-	-
1986	8,522	100.0	8,571	5.2	.4	23.15	-	23.15	-	-	-	-	-	-	-	-	-	-
1987	8,848	100.0	8,635	5.0	.4	22.72	-	22.72	-	-	-	-	-	-	-	-	-	-
1988	9,044	100.0	8,814	5.2	.4	22.61	-	22.61	-	-	-	-	-	-	-	-	-	-
Kentucky Power Co																		
1984	1,971	87.3	11,730	12.5	1.1	37.03	28.44	35.94	-	-	-	-	-	-	-	34	140,011	36.50
1985	2,296	66.4	11,681	12.8	1.2	38.32	30.57	35.72	-	-	-	-	-	-	-	34	138,650	35.11
1986	2,038	67.1	11,911	12.7	1.2	39.10	26.07	37.42	-	-	-	-	-	-	-	35	138,914	24.54
1987	2,266	65.1	11,994	12.8	1.2	37.35	25.16	33.10	-	-	-	-	-	-	-	36	139,497	23.56
1988	1,771	65.4	12,032	12.2	1.2	34.51	24.19	30.94	-	-	-	-	-	-	-	34	139,180	21.99

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			In-ter-upt	Firm	Total		Coal	Pet-rol-eum	Gas	Coal	Pet-rol-eum	Gas	Total	Coal	Pet-rol-eum	Gas
Iowa-Illinois Gas&Electric Co																
1984	1,469	1,055	3.58	4.23	3.78	31.2	17,758	-	1,550	92	-	8	34,293	28,736	-	5,557
1985	1,483	1,030	3.55	4.14	3.76	36.1	19,552	-	1,528	93	-	7	35,965	30,385	-	5,580
1986	1,089	1,026	3.39	4.01	3.61	34.8	36,967	-	1,117	97	-	3	47,130	43,200	-	3,930
1987	908	1,026	2.87	3.23	3.01	38.5	39,732	-	932	98	-	2	47,294	44,560	-	2,733
1988	576	1,021	2.70	3.18	2.98	59.5	43,980	-	588	99	-	1	50,967	49,248	-	1,719
Jacksonville Electric Auth																
1984	5,497	1,044	3.82	-	3.82	-	-	13,280	5,739	-	70	30	80,756	-	59,753	21,003
1985	4,553	1,044	3.95	-	3.95	-	-	20,659	4,753	-	81	19	94,737	-	76,744	17,993
1986	1,697	1,040	2.65	2.26	2.56	22.0	4,785	43,482	1,765	10	87	4	101,637	6,824	90,462	4,351
1987	4,115	1,041	3.01	2.77	2.86	61.0	43,825	17,540	4,284	67	27	7	133,314	69,907	51,623	11,784
1988	817	1,042	2.35	2.54	2.38	13.0	70,554	27,724	851	71	28	1	174,539	115,336	57,260	1,942
Jamestown City of																
1984	-	-	-	-	-	-	3,104	-	-	100	-	-	4,525	4,525	-	-
1985	-	-	-	-	-	-	2,543	-	-	100	-	-	3,694	3,694	-	-
1986	-	-	-	-	-	-	3,115	-	-	100	-	-	4,363	4,363	-	-
1987	-	-	-	-	-	-	2,956	-	-	100	-	-	3,877	3,877	-	-
1988	-	-	-	-	-	-	3,504	-	-	100	-	-	4,534	4,534	-	-
Jersey Central Power&Light Co																
1984	11,511	1,032	4.42	-	4.42	-	-	3,896	11,875	-	25	75	70,285	-	19,435	50,850
1985	11,724	1,033	3.84	-	3.84	-	-	2,456	12,112	-	17	83	55,760	-	10,767	44,993
1986	4,590	1,035	2.55	-	2.55	-	-	7,213	4,751	-	60	40	29,883	-	18,190	11,693
1987	10,598	1,031	2.58	-	2.58	-	-	2,898	10,928	-	21	79	36,456	-	9,103	27,354
1988	5,938	1,028	2.33	-	2.33	-	-	8,894	6,107	-	59	41	36,172	-	22,342	13,830
Kansas City City of																
1984	195	995	3.83	-	3.83	-	25,424	52	194	99	0	1	56,733	55,675	311	747
1985	353	982	3.28	-	3.28	-	27,571	28	347	99	0	1	51,536	50,226	151	1,158
1986	388	970	2.89	-	2.89	-	22,583	49	377	98	0	2	31,628	30,353	152	1,123
1987	218	996	3.33	-	3.33	-	24,679	93	217	99	0	1	37,041	35,955	362	725
1988	193	985	3.13	-	3.13	-	28,871	73	190	99	0	1	40,958	40,103	252	604
Kansas City Power & Light Co																
1984	874	985	3.92	-	3.92	-	156,013	859	861	99	1	1	219,787	211,124	5,240	3,423
1985	274	963	3.21	-	3.21	-	136,421	734	264	99	1	0	177,345	172,437	4,030	879
1986	217	952	2.82	-	2.82	-	129,177	723	207	99	1	0	142,802	139,772	2,417	612
1987	124	986	2.60	-	2.60	-	153,654	480	122	100	0	0	156,367	154,188	1,857	322
1988	122	978	2.54	-	2.54	-	145,590	525	119	100	0	0	145,020	142,906	1,805	309
Kansas Gas & Electric Co																
1984	19,927	970	3.16	-	3.16	-	-	308	19,334	-	2	98	64,420	-	1,504	62,916
1985	11,860	965	2.76	-	2.76	-	-	-	11,441	-	-	100	32,788	-	-	32,788
1986	7,163	967	2.38	-	2.38	-	-	-	6,949	-	-	100	17,109	-	-	17,109
1987	5,772	988	2.10	-	2.10	-	-	-	5,703	-	-	100	12,135	-	-	12,135
1988	7,927	992	2.00	-	2.00	-	-	281	7,861	-	3	97	16,654	-	767	15,886
Kansas Power & Light Co																
1984	2,207	1,007	3.00	-	3.00	-	158,514	242	2,223	98	0	1	244,807	236,966	1,219	6,622
1985	1,218	1,003	2.80	-	2.80	-	148,751	-	1,222	99	-	1	205,030	201,620	-	3,410
1986	1,180	992	2.43	-	2.43	-	146,094	-	1,171	99	-	1	200,158	197,287	-	2,871
1987	1,899	1,005	2.11	-	2.11	-	152,806	-	1,908	99	-	1	205,040	201,034	-	4,006
1988	1,942	1,000	2.16	-	2.16	-	159,430	-	1,942	99	-	1	208,723	204,528	-	4,195
Kentucky Power Co																
1984	-	-	-	-	-	-	46,250	200	-	100	0	-	72,087	70,847	1,241	-
1985	-	-	-	-	-	-	53,633	200	-	100	0	-	83,206	81,998	1,208	-
1986	-	-	-	-	-	-	48,547	205	-	100	0	-	77,114	76,251	864	-
1987	-	-	-	-	-	-	54,352	213	-	100	0	-	75,854	74,997	858	-
1988	-	-	-	-	-	-	42,628	196	-	100	0	-	55,543	54,805	739	-

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Del Quan		Average Quality			Average Price in Dollars per Ton			Del Quan		Average Quality		Average Price in Dollars per Bbl			Del Quan	Btu per Gal	Av. Price $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls		
Kentucky Utilities Co																		
1984	4,151	52.7	12,156	9.5	1.7	49.40	33.21	41.74	-	-	-	-	-	-	-	60	140,000	36.11
1985	4,493	45.8	12,029	9.4	2.0	45.70	31.70	38.11	-	-	-	-	-	-	-	44	140,000	33.72
1986	4,875	43.9	12,134	9.7	1.8	47.12	28.47	36.66	-	-	-	-	-	-	-	56	140,000	19.99
1987	6,005	41.5	12,147	9.5	1.7	44.01	26.39	33.70	-	-	-	-	-	-	-	48	140,000	23.89
1988	5,885	25.8	12,050	9.6	1.5	45.61	26.15	31.16	-	-	-	-	-	-	-	55	140,000	22.64
Lafayette City of																		
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lake Worth City of																		
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	138,000	35.02
1985	-	-	-	-	-	-	-	-	1	-	148,100	2.2	-	27.68	27.68	2	138,000	30.72
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	138,000	23.04
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	138,000	22.76
1988	-	-	-	-	-	-	-	-	1	-	148,100	2.0	-	20.22	20.22	2	139,004	21.94
Lakeland City of																		
1984	824	100.0	11,654	14.2	1.8	52.64	-	52.64	104	100.0	150,634	2.1	29.09	-	29.09	26	138,679	34.08
1985	894	100.0	12,029	11.8	1.5	51.20	-	51.20	78	68.4	148,906	1.2	28.27	26.68	27.77	22	138,216	33.92
1986	261	100.0	12,236	10.6	1.5	52.33	-	52.33	745	-	149,604	1.6	-	13.91	13.91	24	138,847	19.97
1987	733	100.0	12,257	10.6	1.6	49.02	-	49.02	237	26.2	149,809	1.8	19.98	17.39	18.07	47	138,640	22.98
1988	731	100.0	12,296	10.9	1.6	53.52	-	53.52	281	-	149,933	2.1	-	13.48	13.48	31	137,688	21.01
Lansing City of																		
1984	1,071	59.9	12,929	8.0	.7	61.29	49.31	56.49	-	-	-	-	-	-	-	10	138,000	35.71
1985	815	81.5	13,022	6.9	.8	58.12	48.23	56.29	-	-	-	-	-	-	-	11	138,000	34.10
1986	1,089	60.4	12,961	7.3	.8	56.75	44.15	51.76	-	-	-	-	-	-	-	10	138,000	24.28
1987	1,262	52.1	13,053	7.1	.8	55.95	43.36	49.92	-	-	-	-	-	-	-	10	138,000	22.46
1988	929	63.1	13,015	7.1	.8	55.71	44.63	51.63	-	-	-	-	-	-	-	14	138,000	25.96
Long Island Lighting Co																		
1984	-	-	-	-	-	-	-	-	15,595	96.8	151,195	2.2	28.07	30.52	28.15	-	-	-
1985	-	-	-	-	-	-	-	-	15,162	97.6	150,955	2.1	24.80	25.23	24.81	-	-	-
1986	-	-	-	-	-	-	-	-	14,912	91.1	150,756	1.7	14.87	13.14	14.72	-	-	-
1987	-	-	-	-	-	-	-	-	18,054	91.0	151,188	1.4	18.53	18.00	18.48	-	-	-
1988	-	-	-	-	-	-	-	-	19,097	78.1	151,404	.8	15.71	14.86	15.53	-	-	-
Los Angeles City of																		
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	613	-	145,513	.2	-	25.00	25.00	-	-	-
1986	1,427	87.1	11,747	8.9	.5	31.74	24.46	30.80	795	86.5	146,734	.2	12.45	12.52	12.46	-	-	-
1987	4,598	82.9	11,859	8.7	.6	33.11	20.38	30.94	502	100.0	145,401	.2	15.93	-	15.93	-	-	-
1988	4,373	86.2	11,777	8.7	.6	34.96	20.19	32.92	1,509	100.0	145,972	.2	16.82	-	16.82	-	-	-
Louisiana Power & Light Co																		
1984	-	-	-	-	-	-	-	-	101	100.0	150,832	1.0	22.27	-	22.27	25	144,733	37.54
1985	-	-	-	-	-	-	-	-	40	100.0	150,612	.9	22.28	-	22.28	64	144,516	36.62
1986	-	-	-	-	-	-	-	-	375	100.0	150,487	1.0	9.14	-	9.14	3	144,834	27.16
1987	-	-	-	-	-	-	-	-	21	100.0	151,104	1.0	17.22	-	17.22	7	144,918	19.67
1988	-	-	-	-	-	-	-	-	213	100.0	151,272	1.0	21.62	-	21.62	83	142,834	34.56
Louisville Gas & Electric Co																		
1984	4,166	74.6	11,233	12.4	3.4	30.54	28.34	29.98	-	-	-	-	-	-	-	57	140,000	35.34
1985	3,215	81.8	11,245	11.7	3.3	30.93	28.28	30.44	-	-	-	-	-	-	-	64	140,000	33.06
1986	3,781	79.5	11,209	11.6	3.3	31.44	25.85	30.30	-	-	-	-	-	-	-	31	140,000	16.48
1987	4,296	79.9	11,198	12.2	3.3	31.35	23.50	29.77	-	-	-	-	-	-	-	40	140,000	23.56
1988	3,529	77.9	11,353	11.2	3.3	31.43	22.61	29.48	-	-	-	-	-	-	-	46	140,000	22.71

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Kentucky Utilities Co																
1984	-	-	-	-	-	-	100,907	351	-	100	0	-	175,396	173,243	2,153	-
1985	-	-	-	-	-	-	108,092	259	-	100	0	-	172,728	171,242	1,485	-
1986	-	-	-	-	-	-	118,317	326	-	100	0	-	179,843	178,733	1,110	-
1987	-	-	-	-	-	-	145,893	284	-	100	0	-	203,551	202,395	1,156	-
1988	-	-	-	-	-	-	141,819	323	-	100	0	-	184,627	183,383	1,244	-
Lafayette City of																
1984	2,864	1,035	3.39	3.56	3.52	75.1	-	-	2,964	-	-	100	10,084	-	-	10,084
1985	3,574	1,040	3.10	-	3.10	-	-	-	3,717	-	-	100	11,092	-	-	11,092
1986	7,797	1,042	2.00	2.28	2.28	98.9	-	-	8,127	-	-	100	17,791	-	-	17,791
1987	5,790	1,043	1.77	1.88	1.86	86.0	-	-	6,037	-	-	100	10,782	-	-	10,782
1988	4,426	1,042	1.79	1.84	1.81	54.0	-	-	4,612	-	-	100	8,024	-	-	8,024
Lake Worth City of																
1984	1,031	1,027	3.34	-	3.34	-	-	31	1,059	-	3	97	3,631	-	187	3,445
1985	916	1,028	3.22	-	3.22	-	-	16	942	-	2	98	3,026	-	80	2,946
1986	830	1,022	2.29	-	2.29	-	-	113	848	-	12	88	2,349	-	450	1,900
1987	825	1,024	2.71	-	2.71	-	-	48	845	-	5	95	2,422	-	189	2,233
1988	589	1,038	2.26	-	2.26	-	-	18	610	-	3	97	1,396	-	65	1,330
Lakeland City of																
1984	4,307	1,026	3.20	-	3.20	-	19,199	813	4,421	79	3	18	61,074	43,360	3,931	13,783
1985	3,633	1,028	3.23	-	3.23	-	21,518	617	3,735	83	2	14	60,444	45,794	2,919	11,731
1986	4,283	1,019	2.28	-	2.28	-	6,397	4,823	4,365	41	31	28	34,294	13,678	10,845	9,771
1987	3,578	1,025	2.85	2.84	2.85	1.5	17,978	1,764	3,686	77	8	16	51,489	35,949	5,360	10,180
1988	3,286	1,024	2.47	-	2.47	-	17,981	1,947	3,364	77	8	14	51,695	39,136	4,432	8,127
Lansing City of																
1984	-	-	-	-	-	-	27,688	59	-	100	0	-	60,856	60,492	364	-
1985	-	-	-	-	-	-	21,223	62	-	100	0	-	46,241	45,875	366	-
1986	-	-	-	-	-	-	28,230	56	-	100	0	-	56,606	56,370	236	-
1987	-	-	-	-	-	-	32,944	61	-	100	0	-	63,229	62,995	235	-
1988	-	-	-	-	-	-	24,185	80	-	100	0	-	48,325	47,968	357	-
Long Island Lighting Co																
1984	26,719	1,036	4.58	-	4.58	-	-	99,031	27,691	-	78	22	561,325	-	439,011	122,314
1985	26,533	1,038	3.88	-	3.88	-	-	96,129	27,547	-	78	22	479,066	-	376,170	102,897
1986	23,623	1,037	2.15	-	2.15	-	-	94,419	24,501	-	79	21	270,217	-	219,453	50,764
1987	26,843	1,029	2.31	2.44	2.31	.8	-	114,641	27,620	-	81	19	395,834	-	333,696	62,139
1988	25,141	1,030	2.20	2.73	2.21	2.7	-	121,438	25,891	-	82	18	352,118	-	296,507	55,611
Los Angeles City of																
1984	41,855	1,050	5.19	-	5.19	-	-	-	43,938	-	-	100	217,412	-	-	217,412
1985	59,252	1,055	4.31	-	4.31	-	-	3,746	62,503	-	6	94	270,550	-	15,326	255,224
1986	46,820	1,051	2.65	-	2.65	-	33,539	4,899	49,199	38	6	56	177,799	43,967	9,908	123,925
1987	56,026	1,045	2.60	-	2.60	-	109,068	3,066	58,536	64	2	34	295,906	142,273	7,998	145,635
1988	49,939	1,044	2.93	-	2.93	-	102,998	9,252	52,118	63	6	32	315,926	143,975	25,390	146,561
Louisiana Power & Light Co																
1984	143,131	1,044	-	2.58	2.58	100.0	-	788	149,400	-	1	99	372,494	-	3,172	369,322
1985	144,030	1,045	-	2.40	2.40	100.0	-	641	150,484	-	0	100	349,458	-	3,228	346,230
1986	131,897	1,039	-	1.66	1.66	100.0	-	2,387	136,847	-	2	98	222,226	-	3,503	218,723
1987	107,320	1,037	-	1.44	1.44	100.0	-	174	111,252	-	0	100	154,797	-	494	154,303
1988	114,610	1,044	2.62	1.40	1.41	99.4	-	1,854	119,651	-	2	38	169,197	-	7,489	161,708
Louisville Gas & Electric Co																
1984	1,694	1,025	3.66	-	3.66	-	93,596	333	1,737	98	0	2	133,094	124,890	2,000	6,204
1985	1,052	1,025	3.61	-	3.61	-	72,305	374	1,079	98	1	1	103,781	97,882	2,102	3,796
1986	365	1,025	2.93	-	2.93	-	84,763	183	374	99	0	0	116,134	114,553	514	1,067
1987	274	1,025	2.75	-	2.75	-	96,208	233	281	99	0	0	129,579	127,890	935	754
1988	373	1,025	2.47	-	2.47	-	80,130	272	382	99	0	0	105,996	104,024	1,052	921

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Del Quan		Average Quality			Average Price in Dollars per Ton			Del Quan		Average Quality		Average Price in Dollars per Bbl			Del Quan	Btu per Gal	Av. Price $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls		
Lower Colorado River Authority																		
1984	4,271	100.0	9,013	4.9	0.4	46.44	-	46.44	-	-	-	-	-	-	-	10	141,000	33.84
1985	5,065	100.0	8,832	5.3	.4	35.67	-	35.67	-	-	-	-	-	-	-	14	141,000	32.76
1986	3,186	98.6	8,849	5.8	.4	31.57	23.55	31.46	-	-	-	-	-	-	-	21	141,000	19.73
1987	4,362	96.8	8,451	5.9	.4	26.52	20.31	26.33	-	-	-	-	-	-	-	22	141,000	21.53
1988	5,593	96.1	8,589	5.3	.3	25.41	20.68	25.23	-	-	-	-	-	-	-	22	141,000	20.50
Lubbock City of																		
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Madison Gas & Electric Co																		
1984	114	3.6	11,501	7.4	1.3	43.70	42.42	42.46	-	-	-	-	-	-	-	-	-	-
1985	54	-	11,187	7.9	1.4	-	44.70	44.70	-	-	-	-	-	-	-	-	-	-
1986	36	-	11,211	7.9	1.4	-	39.58	39.58	-	-	-	-	-	-	-	-	-	-
1987	93	-	11,409	8.2	1.6	-	37.29	37.29	-	-	-	-	-	-	-	-	-	-
1988	150	57.3	12,164	7.7	2.1	38.77	41.16	39.79	-	-	-	-	-	-	-	-	-	-
Manitowoc City of																		
1984	83	-	12,221	10.4	.9	-	48.77	48.77	-	-	-	-	-	-	-	-	-	-
1985	82	-	12,298	9.3	1.0	-	46.38	46.38	-	-	-	-	-	-	-	-	-	-
1986	93	3.6	13,146	7.2	.9	56.09	48.66	48.93	-	-	-	-	-	-	-	-	-	-
1987	113	-	13,221	6.6	.8	-	43.36	43.36	-	-	-	-	-	-	-	-	-	-
1988	102	-	13,129	7.3	.8	-	44.23	44.23	-	-	-	-	-	-	-	-	-	-
Marquette City of																		
1984	148	100.0	9,606	6.8	.6	41.38	-	41.38	-	-	-	-	-	-	-	2	138,000	34.78
1985	156	100.0	9,335	6.7	.6	41.66	-	41.66	-	-	-	-	-	-	-	1	138,000	32.86
1986	131	100.0	9,620	6.2	.6	41.66	-	41.66	-	-	-	-	-	-	-	1	138,000	17.64
1987	169	100.0	9,813	5.8	.6	34.96	-	34.96	-	-	-	-	-	-	-	-	-	-
1988	117	100.0	8,899	6.4	.5	33.65	-	33.65	-	-	-	-	-	-	-	-	-	-
Medina Electric Coop Inc																		
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	136,955	33.66
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metropolitan Edison Co																		
1984	997	56.7	12,904	9.7	1.8	50.32	44.52	47.81	-	-	-	-	-	-	-	110	137,196	36.08
1985	899	65.8	12,932	9.0	1.8	50.15	46.29	48.83	-	-	-	-	-	-	-	53	136,691	33.73
1986	791	82.2	13,111	7.1	1.7	48.72	42.75	47.66	-	-	-	-	-	-	-	45	136,338	22.15
1987	1,224	24.4	12,987	7.9	1.8	45.55	40.65	41.84	-	-	-	-	-	-	-	47	136,978	24.05
1988	1,092	30.5	13,038	7.7	1.8	45.81	40.98	42.45	-	-	-	-	-	-	-	51	136,610	21.30
Michigan South Central Pwr Agy																		
1985	120	100.0	12,013	10.0	3.0	47.45	-	47.45	-	-	-	-	-	-	-	-	-	-
1986	92	100.0	11,763	10.6	3.4	45.35	-	45.35	-	-	-	-	-	-	-	5	140,000	20.99
1987	161	100.0	11,886	11.1	3.1	46.34	-	46.34	-	-	-	-	-	-	-	-	-	-
1988	111	100.0	11,797	10.3	3.2	48.04	-	48.04	-	-	-	-	-	-	-	6	140,000	23.20
Minnesota Power & Light Co																		
1984	[1]3,630	100.0	8,610	8.8	.9	21.38	28.06	21.38	-	-	-	-	-	-	-	16	137,873	36.34
1985	[1]3,524	95.0	8,644	8.8	.9	23.22	26.62	23.39	-	-	-	-	-	-	-	18	137,971	34.69
1986	[1]2,766	93.8	8,666	8.3	.8	24.66	26.58	24.78	-	-	-	-	-	-	-	17	137,169	22.57
1987	3,224	98.6	8,636	8.8	.8	24.21	19.21	24.14	-	-	-	-	-	-	-	23	137,000	25.75
1988	3,819	87.4	8,593	8.9	.8	23.32	18.91	22.77	-	-	-	-	-	-	-	14	137,000	21.39
Minnkota Power Coop Inc																		
1984	2,984	100.0	6,646	8.2	.7	8.22	-	8.22	-	-	-	-	-	-	-	73	140,000	36.79
1985	3,378	100.0	6,814	7.3	.7	7.94	-	7.94	-	-	-	-	-	-	-	14	140,000	36.06

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interrupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Lower Colorado River Authority																
1984	21,115	1,002	-	4.32	4.32	100.0	76,985	61	21,148	78	0	22	289,854	198,356	349	91,150
1985	26,374	1,036	3.28	2.86	2.87	98.3	89,464	83	27,319	77	0	23	256,733	180,653	459	75,621
1986	33,643	1,029	2.10	1.77	1.77	98.7	56,385	124	34,615	62	0	38	160,216	100,217	414	59,584
1987	27,887	1,040	-	1.66	1.66	100.0	73,728	130	28,989	72	0	28	161,468	114,837	474	46,158
1988	21,202	1,033	-	1.79	1.79	100.0	96,075	130	21,893	81	0	19	179,417	141,105	451	37,861
Lubbock City of																
1984	6,319	1,034	3.66	-	3.66	-	-	-	6,535	-	-	100	23,135	-	-	23,135
1985	6,367	1,040	3.45	-	3.45	-	-	-	6,620	-	-	100	21,977	-	-	21,977
1986	6,277	1,039	2.96	-	2.96	-	-	-	6,524	-	-	100	18,547	-	-	18,547
1987	6,718	1,047	2.59	-	2.59	-	-	-	7,033	-	-	100	17,372	-	-	17,372
1988	6,737	1,042	2.36	-	2.36	-	-	-	7,018	-	-	100	15,867	-	-	15,867
Madison Gas & Electric Co																
1984	1,009	992	4.00	-	4.00	-	2,625	-	1,001	72	-	28	8,885	4,845	-	4,040
1985	783	999	4.10	-	4.10	-	1,208	-	783	61	-	39	5,624	2,414	-	3,211
1986	949	1,003	3.76	-	3.76	-	807	-	952	46	-	54	4,991	1,425	-	3,566
1987	519	991	4.06	-	4.06	-	2,122	-	514	80	-	20	5,575	3,468	-	2,108
1988	571	999	3.10	-	3.10	-	3,349	-	571	86	-	14	7,737	5,969	-	1,768
Manitowoc City of																
1984	-	-	-	-	-	-	2,030	-	-	100	-	-	4,051	4,051	-	-
1985	-	-	-	-	-	-	2,029	-	-	100	-	-	3,826	3,826	-	-
1986	-	-	-	-	-	-	2,457	-	-	100	-	-	4,572	4,572	-	-
1987	-	-	-	-	-	-	2,984	-	-	100	-	-	4,893	4,893	-	-
1988	-	-	-	-	-	-	2,676	-	-	100	-	-	4,508	4,508	-	-
Marquette City of																
1984	-	-	-	-	-	-	2,853	9	-	100	0	-	6,197	6,145	52	-
1985	-	-	-	-	-	-	2,916	7	-	100	0	-	6,546	6,507	39	-
1986	-	-	-	-	-	-	2,528	7	-	100	0	-	5,496	5,474	21	-
1987	-	-	-	-	-	-	3.326	-	-	100	-	-	5,925	5,925	-	-
1988	-	-	-	-	-	-	2,088	-	-	100	-	-	3,947	3,947	-	-
Medina Electric Coop Inc																
1984	1,210	1,074	-	3.86	3.86	100.0	-	34	1,300	-	3	97	4,863	-	197	4,667
1985	1,041	1,062	-	3.47	3.47	100.0	-	-	1,105	-	-	100	3,611	-	-	3,611
1986	214	1,059	-	2.55	2.55	100.0	-	-	227	-	-	100	547	-	-	547
1987	279	1,070	-	2.24	2.24	100.0	-	-	299	-	-	100	625	-	-	625
1988	235	1,094	-	2.46	2.46	100.0	-	-	257	-	-	100	579	-	-	579
Metropolitan Edison Co																
1984	-	-	-	-	-	-	25,733	636	-	98	2	-	51,650	47,670	3,980	-
1985	-	-	-	-	-	-	23,246	306	-	99	1	-	45,685	43,888	1,798	-
1986	-	-	-	-	-	-	20,736	258	-	99	1	-	38,684	37,688	997	-
1987	-	-	-	-	-	-	31,806	271	-	99	1	-	52,369	51,236	1,133	-
1988	-	-	-	-	-	-	28,486	291	-	99	1	-	47,457	46,375	1,082	-
Michigan South Central Pwr Agy																
1985	-	-	-	-	-	-	2,892	-	-	100	-	-	5,711	5,711	-	-
1986	-	-	-	-	-	-	2,156	32	-	99	1	-	4,270	4,155	115	-
1987	-	-	-	-	-	-	3,824	-	-	100	-	-	7,454	7,454	-	-
1988	-	-	-	-	-	-	2,615	35	-	99	1	-	5,462	5,324	138	-
Minnesota Power & Light Co																
1984	-	-	-	-	-	-	62,505	91	-	100	0	-	78,190	77,615	574	-
1985	-	-	-	-	-	-	60,929	102	-	100	0	-	83,030	82,420	611	-
1986	-	-	-	-	-	-	47,943	99	-	100	0	-	68,934	68,546	388	-
1987	-	-	-	-	-	-	55,679	131	-	100	0	-	78,400	77,816	585	-
1988	-	-	-	-	-	-	65,630	82	-	100	0	-	87,247	86,942	305	-
Minnkota Power Coop Inc																
1984	-	-	-	-	-	-	39,864	429	-	99	1	-	27,208	24,522	2,686	-
1985	-	-	-	-	-	-	46,033	85	-	100	0	-	27,335	26,816	520	-

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

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Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Del Quan		Average Quality			Average Price in Dollars per Ton			Del Quan		Average Quality		Average Price in Dollars per Bbl			Del Quan	Btu per Gal	Av. Price $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls		
Minnkota Power Coop Inc																		
1986	3,310	100.0	6,750	7.5	0.8	7.54	-	7.54	-	-	-	-	-	-	-	9	140,000	21.40
1987	3,627	100.0	6,717	7.5	.7	7.31	-	7.31	-	-	-	-	-	-	-	9	140,000	25.48
1988	3,883	100.0	6,707	7.5	.7	6.52	-	6.52	-	-	-	-	-	-	-	7	140,000	23.30
Mississippi Power & Light Co																		
1984	-	-	-	-	-	-	-	-	103	100.0	150,562	2.0	23.77	-	23.77	17	137,897	35.92
1985	-	-	-	-	-	-	-	-	89	100.0	150,980	2.2	25.78	-	25.78	20	136,882	35.50
1986	-	-	-	-	-	-	-	-	1,743	100.0	150,178	3.1	13.02	-	13.02	16	136,890	30.03
1987	-	-	-	-	-	-	-	-	149	100.0	149,817	3.1	12.96	-	12.96	11	137,814	21.34
1988	-	-	-	-	-	-	-	-	966	41.9	150,934	2.9	17.71	22.53	20.51	38	138,055	35.04
Mississippi Power Co																		
1984	[1] 3,352	76.0	12,065	9.5	1.6	65.18	43.47	59.97	-	-	-	-	-	-	-	14	124,115	30.91
1985	3,087	75.5	12,058	9.5	1.5	68.74	46.06	63.18	33	-	150,000	2.5	-	27.88	27.88	37	138,000	33.72
1986	3,377	58.1	12,153	8.1	1.7	65.04	45.13	56.70	114	-	151,006	3.2	-	12.40	12.40	40	137,612	24.98
1987	3,635	30.1	12,898	7.6	1.4	42.90	50.47	48.19	1	-	149,577	3.1	-	21.18	21.18	18	139,077	21.63
1988	4,121	62.3	12,685	7.5	1.5	48.68	39.11	45.06	58	-	150,029	3.0	-	14.41	14.41	15	138,420	20.03
Missouri Public Service Comm																		
1984	893	76.9	10,831	11.1	3.2	38.61	38.17	38.51	-	-	-	-	-	-	-	-	-	-
1985	538	100.0	10,850	10.9	3.2	39.10	-	39.10	-	-	-	-	-	-	-	-	-	-
1986	790	100.0	10,952	10.6	3.2	39.21	-	39.21	-	-	-	-	-	-	-	-	-	-
1987	671	76.1	10,958	10.4	3.1	37.38	28.92	35.36	-	-	-	-	-	-	-	-	-	-
1988	835	62.3	10,979	10.3	3.1	38.23	28.83	34.69	-	-	-	-	-	-	-	-	-	-
Monongahela Power Co																		
1984	12,194	83.9	12,595	10.7	2.5	37.54	29.69	36.27	-	-	-	-	-	-	-	70	141,000	37.71
1985	10,164	91.1	12,686	10.3	2.5	37.03	26.45	36.06	-	-	-	-	-	-	-	79	141,000	36.75
1986	10,735	84.5	12,732	10.0	2.4	36.12	25.80	34.52	-	-	-	-	-	-	-	92	141,000	25.07
1987	12,820	77.6	12,643	10.5	2.4	35.38	23.37	32.69	-	-	-	-	-	-	-	94	141,000	25.71
1988	10,495	81.8	12,737	10.1	2.5	34.55	25.38	32.88	-	-	-	-	-	-	-	102	141,000	23.22
Montana Power Co																		
1984	4,823	100.0	8,585	9.0	.7	12.35	-	12.35	-	-	-	-	-	-	-	40	141,000	34.34
1985	5,292	100.0	8,717	9.6	.7	12.05	-	12.05	-	-	-	-	-	-	-	86	141,000	36.16
1986	7,308	100.0	8,598	9.6	.6	11.40	-	11.40	-	-	-	-	-	-	-	43	141,000	25.37
1987	7,376	100.0	8,649	8.8	.6	11.00	-	11.00	-	-	-	-	-	-	-	24	141,000	24.32
1988	10,306	100.0	8,552	9.5	.7	9.19	-	9.19	-	-	-	-	-	-	-	37	141,000	23.88
Montana-Dakota Utilities Co																		
1984	2,559	-	6,953	8.8	.9	-	12.78	12.78	-	-	-	-	-	-	-	8	136,477	37.51
1985	2,564	80.9	6,804	8.5	.8	12.80	12.92	12.82	-	-	-	-	-	-	-	17	136,552	32.95
1986	2,311	100.0	6,868	8.0	.9	12.37	-	12.37	-	-	-	-	-	-	-	16	136,552	21.40
1987	2,451	100.0	6,878	8.2	.9	12.27	-	12.27	-	-	-	-	-	-	-	16	136,552	23.41
1988	2,394	100.0	6,895	8.3	.8	11.72	-	11.72	-	-	-	-	-	-	-	16	136,552	20.97
Montaup Electric Co																		
1984	375	30.8	13,149	6.5	1.1	57.18	58.31	57.96	250	-	150,374	1.0	-	28.30	28.30	50	135,839	34.46
1985	501	100.0	13,304	7.1	1.2	53.86	-	53.86	-	-	-	-	-	-	-	54	136,830	33.67
1986	389	100.0	13,296	6.7	1.1	50.26	-	50.26	105	-	150,809	.9	-	13.02	13.02	57	136,435	20.79
1987	506	100.0	13,373	6.9	1.2	45.27	-	45.27	20	-	150,420	.8	-	19.58	19.58	53	137,963	22.82
1988	465	83.3	13,331	6.9	1.2	45.82	44.93	45.67	82	-	150,767	.9	-	15.20	15.20	82	138,080	21.46
Muscatine City of																		
1984	211	-	11,087	10.6	3.0	-	45.20	45.20	-	-	-	-	-	-	-	7	138,500	40.26
1985	468	-	11,383	5.8	2.9	-	43.10	43.10	-	-	-	-	-	-	-	60	138,500	34.73
1986	484	-	11,280	6.2	3.1	-	43.10	43.10	-	-	-	-	-	-	-	2	138,500	32.50
1987	486	40.0	11,313	6.2	3.1	43.61	47.10	45.70	-	-	-	-	-	-	-	4	138,500	25.78
1988	487	100.0	11,325	6.2	2.9	44.23	-	44.23	-	-	-	-	-	-	-	4	138,500	22.87
Narragansett Electric Co																		
1984	-	-	-	-	-	-	-	-	589	-	150,769	1.0	-	29.43	29.43	-	-	-
1985	-	-	-	-	-	-	-	-	554	32.3	150,908	1.0	26.57	25.08	25.56	-	-	-
1986	-	-	-	-	-	-	-	-	1,442	-	151,048	.9	-	15.04	15.04	-	-	-

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interrupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Minnkota Power Coop Inc																
1986	-	-	-	-	-	-	44,684	52	-	100	0	-	25,153	24,962	191	-
1987	-	-	-	-	-	-	48,729	53	-	100	0	-	26,756	26,527	229	-
1988	-	-	-	-	-	-	51,825	42	-	100	0	-	25,371	25,203	168	-
Mississippi Power & Light Co																
1984	58,012	1,027	-	2.94	2.94	100.0	-	752	59,580	-	1	99	173,582	-	3,065	170,616
1985	47,792	1,038	-	2.86	2.86	100.0	-	680	49,628	-	1	99	139,852	-	3,001	136,851
1986	36,970	1,037	-	2.43	2.43	100.0	-	11,088	38,337	-	22	78	113,155	-	23,176	89,979
1987	26,963	1,027	1.69	2.13	1.96	61.9	-	997	27,689	-	3	97	54,971	-	2,157	52,814
1988	21,206	1,027	1.85	1.92	1.92	96.3	-	6,344	21,788	-	23	77	61,867	-	21,136	40,731
Mississippi Power Co																
1984	476	1,046	-	3.88	3.88	100.0	80,876	71	498	99	0	1	203,279	201,012	420	1,847
1985	968	1,056	-	4.00	4.00	100.0	74,448	422	1,022	98	1	1	201,068	195,031	2,166	3,872
1986	3,059	1,048	4.23	2.42	2.46	97.5	82,094	950	3,206	95	1	4	201,432	191,501	2,401	7,531
1987	4,135	1,032	-	1.77	1.77	100.0	92,305	113	4,268	95	0	4	182,892	175,148	418	7,327
1988	2,960	1,036	2.16	1.86	1.86	98.7	104,536	453	3,066	97	0	3	192,399	185,743	1,136	5,520
Missouri Public Service Comm																
1984	-	-	-	-	-	-	19,346	-	-	100	-	-	34,389	34,389	-	-
1985	-	-	-	-	-	-	11,679	-	-	100	-	-	21,044	21,044	-	-
1986	-	-	-	-	-	-	17,304	-	-	100	-	-	30,978	30,978	-	-
1987	-	-	-	-	-	-	14,710	-	-	100	-	-	23,733	23,733	-	-
1988	-	-	-	-	-	-	18,346	-	-	100	-	-	28,983	28,983	-	-
Monongahela Power Co																
1984	116	1,000	5.02	-	5.02	-	307,166	417	116	100	0	0	445,549	442,311	2,657	582
1985	141	1,000	4.77	-	4.77	-	257,865	467	141	100	0	0	370,268	366,692	2,901	675
1986	157	1,000	4.03	-	4.03	-	273,366	547	157	100	0	0	373,495	370,547	2,314	634
1987	88	1,000	3.94	-	3.94	-	324,171	556	88	100	0	0	421,897	419,140	2,412	345
1988	86	1,000	3.89	-	3.89	-	267,355	605	86	100	0	0	347,787	345,080	2,374	334
Montana Power Co																
1984	326	1,182	-	.64	.64	100.0	82,806	239	385	99	0	0	61,133	59,539	1,384	210
1985	440	1,206	-	.64	.64	100.0	92,257	509	531	99	1	1	67,183	63,789	3,110	283
1986	399	1,204	-	.96	.96	100.0	125,665	255	481	99	0	0	84,775	83,303	1,091	381
1987	471	1,207	-	1.06	1.06	100.0	127,590	142	568	99	0	0	82,191	81,107	584	501
1988	276	1,210	-	1.47	1.47	100.0	176,271	219	334	100	0	0	95,997	94,708	884	406
Montana-Dakota Utilities Co																
1984	9	1,071	5.66	-	5.66	-	35,594	48	10	100	0	0	33,064	32,701	312	52
1985	7	1,050	5.33	-	5.33	-	34,896	99	7	100	0	0	33,472	32,870	567	35
1986	8	1,040	4.81	-	4.81	-	31,748	95	8	100	0	0	28,982	28,593	353	37
1987	9	1,079	4.77	-	4.77	-	33,708	91	10	100	0	0	30,494	30,076	373	45
1988	6	1,132	4.58	-	4.58	-	33,021	93	7	100	0	0	26,422	26,051	342	28
Montaup Electric Co																
1984	-	-	-	-	-	-	9,873	1,862	-	84	16	-	30,546	21,758	8,788	-
1985	-	-	-	-	-	-	13,391	315	-	98	2	-	28,800	26,981	1,818	-
1986	-	-	-	-	-	-	10,354	987	-	91	9	-	22,123	19,567	2,556	-
1987	-	-	-	-	-	-	13,528	436	-	97	3	-	24,505	22,897	1,608	-
1988	-	-	-	-	-	-	12,393	821	-	94	6	-	23,590	21,226	2,364	-
Muscatine City of																
1984	53	1,000	-	3.49	3.49	100.0	4,679	43	53	98	1	1	10,019	9,538	298	183
1985	48	1,000	-	3.31	3.31	100.0	11,110	352	48	97	3	0	23,291	21,032	2,101	159
1986	45	1,000	-	3.13	3.13	100.0	10,926	14	45	99	0	0	21,080	20,873	76	140
1987	17	1,000	-	2.63	2.63	100.0	11,003	22	17	100	0	0	22,363	22,223	96	44
1988	10	1,000	-	2.27	2.27	100.0	11,024	22	10	100	0	0	21,636	21,527	88	22
Narragansett Electric Co																
1984	3,685	1,030	4.03	-	4.03	-	-	3,733	3,796	-	50	50	32,192	-	17,347	14,845
1985	2,599	1,034	3.48	-	3.48	-	-	3,514	2,687	-	57	43	23,221	-	14,173	9,048
1986	-	-	-	-	-	-	-	9,150	-	-	100	-	21,691	-	21,691	-

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Coal								Heavy Oil							Light Oi		
	Del Quan		Average Quality			Average Price in Dollars per Ton			Del Quan		Average Quality		Average Price in Dollars per Bbl			Del Quan	Btu per Gal	Av. Price $/Bb
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls		
Nebraska Public Power District																		
1984	3,667	91.9	9,057	5.2	0.4	18.86	34.00	20.08	–	–	–	–	–	–	–	12	138,140	35.04
1985	3,482	76.6	8,865	5.1	.3	18.86	14.51	17.84	–	–	–	–	–	–	–	2	138,140	34.15
1986	3,053	99.9	8,255	4.9	.4	18.13	40.59	18.15	–	–	–	–	–	–	–	3	138,140	22.75
1987	2,912	97.2	8,892	5.0	.4	18.41	19.99	18.45	–	–	–	–	–	–	–	3	138,140	23.08
1988	3,611	100.0	8,813	5.1	.4	17.14	–	17.14	–	–	–	–	–	–	–	2	138,140	20.61
Nevada Power Co																		
1984	1,519	100.0	11,836	8.7	.5	45.86	–	45.86	–	–	–	–	–	–	–	11	136,365	34.03
1985	2,019	100.0	11,921	8.9	.5	46.90	–	46.90	–	–	–	–	–	–	–	9	136,365	34.37
1986	1,787	100.0	11,853	9.1	.5	48.25	–	48.25	9	–	147,588	0.8	–	11.64	11.64	12	134,823	22.71
1987	1,498	100.0	11,911	8.8	.5	48.24	–	48.24	37	–	147,600	.8	–	11.61	11.61	5	134,800	27.14
1988	1,443	100.0	11,826	9.2	.6	47.40	–	47.40	131	–	148,049	.9	–	12.56	12.56	17	137,376	18.76
New England Power Co																		
1984	3,168	61.8	13,265	7.4	1.1	57.08	55.22	56.37	6,961	66.3	150,246	2.0	28.07	28.17	28.10	–	–	–
1985	3,004	72.9	13,279	7.6	1.1	53.02	48.70	51.85	6,795	52.9	151,154	1.8	23.42	23.50	23.46	–	–	–
1986	3,185	92.9	13,224	7.8	1.2	46.62	40.35	46.17	8,488	68.9	151,147	2.0	13.25	13.20	13.23	–	–	–
1987	2,991	69.4	13,071	8.3	1.2	42.09	39.92	41.42	7,344	75.7	152,862	1.7	16.25	16.42	16.29	156	151,228	18.56
1988	3,405	91.3	13,068	8.5	1.2	41.34	41.83	41.38	8,426	55.6	150,523	1.8	16.50	14.86	15.77	–	–	–
New Orleans Public Service Inc																		
1984	–	–	–	–	–	–	–	–	2	–	150,602	1.5	–	23.24	23.24	1	138,079	34.85
1985	–	–	–	–	–	–	–	–	10	–	150,612	1.5	–	21.97	21.97	2	138,021	33.40
1986	–	–	–	–	–	–	–	–	0	–	152,300	1.5	–	8.64	8.64	0	137,612	19.96
1987	–	–	–	–	–	–	–	–	0	–	152,300	1.5	–	19.40	19.40	0	137,613	21.36
1988	–	–	–	–	–	–	–	–	4	–	152,300	1.5	–	22.39	22.39	0	137,612	33.61
New York State Elec & Gas Corp																		
1984	3,458	58.7	12,179	13.5	2.0	42.07	39.98	41.21	–	–	–	–	–	–	–	90	137,000	37.36
1985	3,802	67.4	12,298	12.7	2.0	41.87	38.18	40.67	–	–	–	–	–	–	–	48	137,000	35.98
1986	3,185	72.0	12,404	12.0	2.0	41.55	36.97	40.27	–	–	–	–	–	–	–	43	137,000	22.28
1987	3,967	63.7	12,489	11.8	2.0	39.52	35.30	37.99	–	–	–	–	–	–	–	58	137,000	25.34
1988	[1] 3,438	51.7	12,472	12.1	2.1	40.00	35.39	37.78	–	–	–	–	–	–	–	47	137,000	23.30
Niagara Mohawk Power Corp																		
1984	3,389	59.8	12,832	9.2	1.8	52.58	44.24	49.23	4,732	100.0	148,367	1.7	32.33	–	32.33	–	–	–
1985	2,798	51.8	12,883	9.1	1.8	50.64	41.69	46.32	3,164	100.0	148,165	1.2	30.89	–	30.89	–	–	–
1986	2,440	56.2	13,054	8.2	1.7	47.58	38.38	43.55	7,804	51.1	149,774	1.6	16.97	12.41	14.74	–	–	–
1987	2,897	43.0	13,015	7.8	1.8	41.15	36.06	38.25	5,738	62.2	150,164	1.2	21.66	18.66	20.53	–	–	–
1988	3,000	48.7	13,023	7.9	1.8	41.04	35.90	38.41	10,790	63.2	150,023	1.1	15.49	14.60	15.16	–	–	–
Northern Indiana Pub Serv Co																		
1984	[1] 5,814	80.0	11,053	9.1	2.2	55.73	41.76	52.94	–	–	–	–	–	–	–	–	–	–
1985	5,729	90.5	11,056	9.2	2.0	55.46	37.38	53.75	–	–	–	–	–	–	–	48	138,747	37.99
1986	[1] 3,663	73.1	11,163	9.7	2.7	44.71	40.19	43.49	–	–	–	–	–	–	–	20	138,676	34.08
1987	[1] 5,119	50.7	11,492	8.8	2.4	44.30	34.23	39.34	–	–	–	–	–	–	–	25	138,676	23.51
1988	[1] 5,880	58.4	10,998	7.9	2.0	41.50	29.79	36.63	–	–	–	–	–	–	–	–	–	–
Northern States Power Co																		
1984	[1] 7,497	100.0	8,789	9.4	.8	24.62	–	24.62	–	–	–	–	–	–	–	–	–	–
1985	[1] 7,067	96.2	8,829	9.3	.9	24.77	34.15	25.12	–	–	–	–	–	–	–	–	–	–
1986	[1] 6,294	98.0	8,861	7.2	.6	22.76	26.10	22.83	–	–	–	–	–	–	–	–	–	–
1987	[1] 9,321	100.0	8,726	6.5	.4	19.59	21.31	19.59	–	–	–	–	–	–	–	–	–	–
1988	11,432	99.5	8,767	7.1	.5	19.92	25.71	19.95	–	–	–	–	–	–	–	–	–	–
Ohio Edison Co																		
1984	7,163	19.2	12,026	11.2	2.2	35.07	33.02	33.41	–	–	–	–	–	–	–	49	137,711	61.08
1985	7,319	48.4	12,126	11.3	2.1	35.81	30.29	32.96	–	–	–	–	–	–	–	42	137,647	45.91
1986	8,076	52.1	12,148	11.3	2.0	35.74	28.40	32.22	–	–	–	–	–	–	–	13	136,847	19.93
1987	7,547	53.2	12,192	11.2	2.1	34.55	27.29	31.15	–	–	–	–	–	–	–	45	136,761	24.75
1988	8,116	41.4	12,140	11.3	2.2	34.77	25.92	29.58	–	–	–	–	–	–	–	47	136,930	22.14

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interrupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Nebraska Public Power District																
1984	301	953	3.04	-	3.04	-	66,419	69	287	99	0	0	74,971	73,636	419	915
1985	430	951	3.23	-	3.23	-	61,730	14	409	99	0	1	63,604	62,128	85	1,391
1986	432	951	3.19	-	3.19	-	54,683	16	411	99	0	1	56,869	55,426	64	1,379
1987	503	966	2.73	-	2.73	-	51,781	16	485	99	0	1	55,168	53,731	65	1,371
1988	378	951	3.18	-	3.18	-	63,646	10	360	99	0	1	63,142	61,904	36	1,202
Nevada Power Co																
1984	2,054	1,067	4.55	-	4.55	-	35,954	65	2,191	94	0	6	79,384	69,657	388	9,340
1985	2,693	1,070	4.29	4.61	4.33	10.7	48,135	54	2,882	94	0	6	106,676	94,695	327	11,654
1986	2,410	1,060	2.66	-	2.66	-	42,354	123	2,555	94	0	6	92,993	86,201	389	6,422
1987	2,748	1,041	2.48	-	2.48	-	35,674	259	2,860	92	1	7	79,628	72,237	568	6,822
1988	2,774	1,038	2.65	-	2.65	-	34,129	914	2,879	90	2	8	77,702	68,391	1,968	7,342
New England Power Co																
1984	-	-	-	-	-	-	84,049	43,924	-	66	34	-	374,204	178,601	195,602	-
1985	-	-	-	-	-	-	79,788	43,141	-	65	35	-	315,186	155,784	159,403	-
1986	-	-	-	-	-	-	84,248	53,885	-	61	39	-	259,415	147,076	112,339	-
1987	5,710	1,031	2.39	-	2.39	-	78,191	48,151	5,888	59	36	4	260,109	123,901	122,557	13,651
1988	166	1,032	2.15	-	2.15	-	89,009	53,266	171	62	37	0	274,154	140,930	132,857	358
New Orleans Public Service Inc																
1984	30,369	1,040	3.45	4.29	3.45	.5	-	16	31,588	-	0	100	104,976	-	69	104,907
1985	28,551	1,041	3.03	-	3.03	-	-	76	29,725	-	0	100	86,925	-	291	86,634
1986	24,932	1,029	1.82	-	1.82	-	-	2	25,659	-	0	100	45,479	-	6	45,473
1987	31,531	1,036	1.69	-	1.69	-	-	3	32,660	-	0	100	53,220	-	11	53,209
1988	25,436	1,032	1.94	-	1.94	-	-	30	26,251	-	0	100	49,542	-	108	49,435
New York State Elec & Gas Corp																
1984	-	-	-	-	-	-	84,232	519	-	99	1	-	145,883	142,513	3,370	-
1985	-	-	-	-	-	-	93,518	274	-	100	0	-	156,342	154,626	1,716	-
1986	-	-	-	-	-	-	79,024	249	-	100	0	-	129,235	128,270	965	-
1987	-	-	-	-	-	-	99,089	335	-	100	0	-	152,191	150,716	1,475	-
1988	-	-	-	-	-	-	85,759	269	-	100	0	-	130,978	129,887	1,090	-
Niagara Mohawk Power Corp																
1984	21,702	1,027	3.86	-	3.86	-	86,974	29,487	22,280	63	21	16	403,648	166,849	152,990	83,799
1985	17,275	1,032	3.79	-	3.79	-	72,093	19,689	17,825	66	18	16	292,811	129,616	97,745	65,451
1986	3,121	1,032	3.60	-	3.60	-	63,704	49,091	3,221	55	42	3	232,511	106,269	115,011	11,231
1987	18,651	1,034	2.24	-	2.24	-	75,412	36,189	19,278	58	28	15	270,415	110,824	117,802	41,789
1988	11,701	1,031	2.23	-	2.23	-	78,144	67,987	12,060	49	43	8	304,959	115,222	163,603	26,133
Northern Indiana Pub Serv Co																
1984	807	1,000	-	4.14	4.14	100.0	128,526	-	807	99	-	1	311,123	307,783	-	3,340
1985	724	1,000	-	4.16	4.16	100.0	82,455	281	724	99	0	1	205,281	200,436	1,831	3,014
1986	708	1,000	-	4.75	4.75	100.0	81,781	116	708	99	0	1	163,352	159,309	678	3,365
1987	850	1,000	-	2.63	2.63	100.0	117,651	146	850	99	0	1	204,175	201,350	586	2,238
1988	2,798	1,000	-	2.47	2.47	100.0	129,346	-	2,798	98	-	2	222,333	215,420	-	6,914
Northern States Power Co																
1984	251	1,005	3.84	-	3.84	-	131,774	-	253	100	-	0	185,564	184,599	-	966
1985	317	1,004	3.69	-	3.69	-	124,794	-	318	100	-	0	178,684	177,516	-	1,168
1986	481	998	3.20	-	3.20	-	111,539	-	480	100	-	0	145,209	143,672	-	1,537
1987	1,338	999	2.26	-	2.26	-	162,674	-	1,338	99	-	1	185,599	182,572	-	3,027
1988	1,048	1,007	2.39	-	2.39	-	200,450	-	1,056	99	-	1	230,591	228,085	-	2,506
Ohio Edison Co																
1984	-	-	-	-	-	-	172,284	283	-	100	0	-	242,309	239,323	2,987	-
1985	-	-	-	-	-	-	177,499	241	-	100	0	-	243,165	241,251	1,914	-
1986	-	-	-	-	-	-	196,222	76	-	100	0	-	260,513	260,250	263	-
1987	-	-	-	-	-	-	184,031	261	-	100	0	-	236,266	235,140	1,126	-
1988	-	-	-	-	-	-	197,082	269	-	100	0	-	241,144	240,108	1,036	-

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Del Quan		Average Quality			Average Price in Dollars per Ton			Del Quan		Average Quality		Average Price in Dollars per Bbl			Del Quan	Btu per Gal	Av. Price $/Bbl
	1,000 Short Tons	% on Con tract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Con tract	Spot	Total	1,000 Bbls	% on Con tract	Btu per Gal	Sulf Wt Pct	Con tract	Spot	Total	1,000 Bbls		
Ohio Power Co																		
1984	14,764	90.3	11,514	12.7	3.2	43.75	28.89	42.31	-	-	-	-	-	-	-	123	138,553	36.21
1985	13,695	95.5	11,552	12.9	3.3	42.06	38.60	41.90	-	-	-	-	-	-	-	140	137,496	34.35
1986	13,004	99.3	11,547	12.7	3.4	41.51	38.77	41.49	-	-	-	-	-	-	-	135	137,269	21.48
1987	14,096	98.5	11,542	13.1	3.4	39.14	28.07	38.97	-	-	-	-	-	-	-	139	137,657	24.30
1988	13,061	98.8	11,542	13.1	3.3	39.55	21.27	39.33	-	-	-	-	-	-	-	162	137,776	21.12
Ohio Valley Electric Corp																		
1984	2,968	78.9	12,056	9.6	3.6	37.49	24.84	34.83	-	-	-	-	-	-	-	6	138,071	36.40
1985	3,031	77.7	12,035	9.6	3.6	40.43	24.80	36.94	-	-	-	-	-	-	-	5	138,071	34.96
1986	3,142	73.7	11,985	9.7	3.6	39.73	24.51	35.73	-	-	-	-	-	-	-	6	138,071	27.21
1987	3,387	67.8	11,931	9.9	3.6	38.36	22.12	33.14	-	-	-	-	-	-	-	5	138,071	25.43
1988	2,831	80.7	11,964	10.3	3.7	35.63	21.49	32.90	-	-	-	-	-	-	-	4	138,071	26.93
Oklahoma Gas & Electric Co																		
1984	6,253	92.1	8,824	5.0	.3	28.73	24.22	28.37	-	-	-	-	-	-	-	10	140,000	33.43
1985	6,509	86.7	8,867	4.9	.3	29.11	24.85	28.54	-	-	-	-	-	-	-	15	137,758	29.96
1986	5,806	96.2	8,960	4.9	.4	28.58	31.21	28.68	-	-	-	-	-	-	-	30	137,138	13.23
1987	6,070	92.5	9,179	5.1	.4	27.46	34.59	28.00	-	-	-	-	-	-	-	-	-	-
1988	6,168	82.7	9,205	5.1	.4	28.04	32.39	28.79	136	-	153,216	1.0	-	16.10	16.10	-	-	-
Omaha Public Power District																		
1984	2,128	100.0	8,580	5.8	.4	25.29	-	25.29	-	-	-	-	-	-	-	-	-	-
1985	2,421	75.8	8,266	5.5	.5	20.13	14.03	18.65	-	-	-	-	-	-	-	-	-	-
1986	2,264	76.8	8,311	4.7	.3	16.39	10.64	15.05	-	-	-	-	-	-	-	-	-	-
1987	2,908	63.7	8,290	5.0	.3	12.34	10.58	11.70	-	-	-	-	-	-	-	-	-	-
1988	3,301	88.2	8,329	4.8	.3	10.90	10.87	10.89	-	-	-	-	-	-	-	5	137,500	19.70
Orange & Rockland Utils Inc																		
1984	-	-	-	-	-	-	-	-	4,910	95.4	146,859	.3	31.11	31.39	31.12	-	-	-
1985	-	-	-	-	-	-	-	-	2,776	55.1	146,814	.3	30.40	28.11	29.37	-	-	-
1986	-	-	-	-	-	-	-	-	4,933	-	147,136	.3	-	16.51	16.51	-	-	-
1987	151	100.0	13,216	7.3	.5	53.87	-	53.87	4,159	-	147,280	.3	-	19.56	19.56	-	-	-
1988	416	100.0	13,037	7.4	.6	54.70	-	54.70	4,784	-	148,321	.3	-	16.61	16.61	-	-	-
Orlando Utilities Comm																		
1984	-	-	-	-	-	-	-	-	171	-	153,878	1.6	-	26.69	26.69	-	-	-
1985	-	-	-	-	-	-	-	-	210	-	153,695	1.0	-	24.06	24.06	-	-	-
1986	-	-	-	-	-	-	-	-	1,130	-	151,276	1.2	-	12.77	12.77	-	-	-
1987	538	94.5	13,396	6.3	1.0	50.74	49.72	50.68	378	-	150,085	.8	-	18.50	18.50	5	138,153	21.96
1988	953	98.0	13,235	6.4	.9	49.62	38.53	49.40	775	41.2	152,405	1.6	12.92	13.04	12.99	2	137,360	20.07
Otter Tail Power Co																		
1984	2,525	100.0	6,172	7.9	.8	15.45	-	15.45	-	-	-	-	-	-	-	13	138,000	35.02
1985	2,485	92.3	6,210	7.8	.9	15.84	14.04	15.70	-	-	-	-	-	-	-	18	140,000	34.14
1986	2,094	100.0	6,173	8.0	.9	16.09	-	16.09	-	-	-	-	-	-	-	23	140,000	21.66
1987	789	100.0	6,119	8.2	.9	15.55	-	15.55	-	-	-	-	-	-	-	16	140,000	25.80
1988	2,260	90.8	6,434	7.9	.9	15.26	20.58	15.75	-	-	-	-	-	-	-	11	140,000	23.14
Owensboro City of																		
1984	928	100.0	10,763	12.4	2.8	37.27	-	37.27	-	-	-	-	-	-	-	4	140,000	35.50
1985	674	100.0	10,805	11.8	2.9	36.94	-	36.94	-	-	-	-	-	-	-	3	140,000	33.40
1986	813	100.0	10,839	11.7	2.9	33.90	-	33.90	-	-	-	-	-	-	-	4	140,000	21.09
1987	696	100.0	10,823	11.4	3.0	29.26	-	29.26	-	-	-	-	-	-	-	3	140,000	23.76
1988	538	100.0	10,768	11.7	2.8	27.84	-	27.84	-	-	-	-	-	-	-	3	140,000	23.77
Pacific Gas & Electric Co																		
1984	-	-	-	-	-	-	-	-	37	100.0	153,259	.0	39.16	-	39.16	-	-	-
1985	-	-	-	-	-	-	-	-	409	100.0	153,007	.2	28.15	-	28.15	-	-	-
1986	-	-	-	-	-	-	-	-	553	100.0	148,394	.5	13.94	-	13.94	-	-	-
1987	-	-	-	-	-	-	-	-	1,831	-	151,598	.3	-	18.57	18.57	-	-	-
1988	-	-	-	-	-	-	-	-	5,825	-	146,761	.4	-	16.16	16.16	-	-	-

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/Total	in Billion Btu			Percent of Total Btu			in $1,000			
			Interrupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Ohio Power Co																
1984	–	–	–	–	–	–	339,980	715	–	100	0	–	629,051	624,601	4,450	–
1985	–	–	–	–	–	–	316,425	810	–	100	0	–	578,653	573,833	4,819	–
1986	–	–	–	–	–	–	300,303	778	–	100	0	–	542,478	539,581	2,897	–
1987	–	–	–	–	–	–	325,409	806	–	100	0	–	552,727	549,340	3,387	–
1988	–	–	–	–	–	–	301,949	939	–	100	0	–	517,864	514,436	3,428	–
Ohio Valley Electric Corp																
1984	–	–	–	–	–	–	71,566	36	–	100	0	–	103,602	103,373	229	–
1985	–	–	–	–	–	–	72,959	28	–	100	0	–	112,137	111,967	170	–
1986	–	–	–	–	–	–	75,314	33	–	100	0	–	112,424	112,269	155	–
1987	–	–	–	–	–	–	80,822	26	–	100	0	–	112,360	112,238	122	–
1988	–	–	–	–	–	–	67,739	24	–	100	0	–	93,242	93,130	112	–
Oklahoma Gas & Electric Co																
1984	117,125	1,037	–	2.78	2.78	100.0	110,353	58	121,459	48	0	52	503,486	177,402	331	325,753
1985	106,469	1,037	–	3.22	3.22	100.0	115,428	88	110,408	51	0	49	529,160	185,790	454	342,916
1986	104,344	1,037	–	2.78	2.78	100.0	104,276	172	108,204	49	0	51	456,769	166,514	396	289,860
1987	96,773	1,037	–	2.73	2.73	100.0	111,424	–	100,353	53	–	47	434,054	169,951	–	264,104
1988	91,686	1,037	–	2.85	2.85	100.0	113,564	872	95,081	54	0	45	441,359	177,599	2,182	261,578
Omaha Public Power District																
1984	199	984	4.06	–	4.06	–	36,474	–	196	99	–	1	54,558	53,750	–	808
1985	276	992	3.92	–	3.92	–	40,028	–	274	99	–	1	46,246	45,165	–	1,081
1986	405	1,005	3.29	–	3.29	–	37,629	–	408	99	–	1	35,407	34,074	–	1,332
1987	665	987	2.38	–	2.38	–	48,220	–	656	99	–	1	35,617	34,032	–	1,585
1988	235	989	2.62	–	2.62	–	54,998	27	232	100	0	0	36,672	35,965	93	615
Orange & Rockland Utils Inc																
1984	23,540	1,029	3.79	–	3.79	–	–	30,286	24,220	–	56	44	242,050	–	152,816	89,235
1985	32,107	1,033	3.36	–	3.36	–	–	17,115	33,166	–	34	66	189,465	–	81,531	107,934
1986	25,410	1,034	2.33	–	2.33	–	–	30,488	26,275	–	54	46	140,683	–	81,432	59,251
1987	25,544	1,032	2.30	–	2.30	–	3,996	25,728	26,350	7	46	47	148,317	8,145	81,357	58,816
1988	21,892	1,033	2.34	–	2.34	–	10,839	29,805	22,620	17	47	36	153,330	22,739	79,453	51,138
Orlando Utilities Comm																
1984	13,166	1,027	3.25	–	3.25	–	–	1,102	13,516	–	8	92	47,401	–	4,552	42,849
1985	12,166	1,027	3.22	–	3.22	–	–	1,353	12,497	–	10	90	44,192	–	5,044	39,148
1986	15,053	1,022	2.21	–	2.21	–	–	7,182	15,393	–	32	68	47,702	–	14,435	33,267
1987	10,322	1,023	2.84	–	2.84	–	14,417	2,416	10,559	53	9	39	63,704	27,273	7,118	29,312
1988	8,049	1,024	2.26	–	2.26	–	25,235	4,973	8,242	66	13	21	75,425	47,092	10,111	18,222
Otter Tail Power Co																
1984	–	–	–	–	–	–	31,172	75	–	100	0	–	39,464	39,010	454	–
1985	–	–	–	–	–	–	30,860	103	–	100	0	–	39,611	39,012	599	–
1986	–	–	–	–	–	–	25,851	135	–	99	1	–	34,190	33,693	497	–
1987	–	–	–	–	–	–	9,656	91	–	99	1	–	12,667	12,265	401	–
1988	–	–	–	–	–	–	29,073	62	–	100	0	–	35,833	35,588	244	–
Owensboro City of																
1984	–	–	–	–	–	–	19,973	22	–	100	0	–	34,716	34,585	[illegible]	–
1985	–	–	–	–	–	–	14,558	15	–	100	0	–	24,975	24,889	86	–
1986	–	–	–	–	–	–	17,627	21	–	100	0	–	27,642	27,566	77	–
1987	–	–	–	–	–	–	15,064	19	–	100	0	–	20,437	20,361	76	–
1988	–	–	–	–	–	–	11,580	18	–	100	0	–	15,039	14,968	72	–
Pacific Gas & Electric Co																
1984	242,594	1,051	5.68	–	5.68	–	–	3,353	255,064	–	1	99	1,398,489	–	20,433	1,378,056
1985	262,499	1,048	5.14	5.78	5.14	.0	–	2,958	275,056	–	1	99	1,361,993	–	12,117	1,349,876
1986	152,531	1,039	3.35	–	3.35	–	–	3,445	158,488	–	2	98	518,527	–	7,704	510,823
1987	238,595	1,029	2.63	–	2.63	–	–	10,382	245,469	–	4	96	656,914	–	30,286	626,628
1988	262,323	1,029	2.72	–	2.72	–	–	35,905	270,029	–	12	88	806,420	–	94,122	712,298

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Del Quan		Average Quality			Average Price in Dollars per Ton			Del Quan		Average Quality		Average Price in Dollars per Bbl			Del Quan	Btu per Gal	Av. Price $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls		
Pacific Power & Light Co																		
1984	13,216	96.8	8,478	10.8	0.6	19.64	16.16	19.52	-	-	-	-	-	-	-	85	139,774	37.19
1985	17,200	100.0	8,617	10.8	.6	19.07	-	19.07	-	-	-	-	-	-	-	99	139,949	34.68
1986	15,851	98.5	8,574	11.3	.6	20.06	19.33	20.05	-	-	-	-	-	-	-	97	140,155	21.27
1987	15,992	90.6	8,662	10.6	.6	19.74	11.72	18.99	-	-	-	-	-	-	-	87	140,129	23.91
1988	18,895	96.6	8,617	10.6	.6	18.13	14.92	18.02	-	-	-	-	-	-	-	101	140,107	22.76
Painesville City of																		
1984	68	-	12,157	8.7	2.0	-	36.26	36.26	-	-	-	-	-	-	-	-	-	-
1985	64	-	12,339	7.3	2.4	-	33.56	33.56	-	-	-	-	-	-	-	-	-	-
1986	70	-	12,253	7.8	2.3	-	33.13	33.13	-	-	-	-	-	-	-	-	-	-
1987	92	-	12,420	8.1	2.3	-	32.34	32.34	-	-	-	-	-	-	-	-	-	-
1988	84	67.1	12,772	7.7	2.7	33.04	32.27	32.79	-	-	-	-	-	-	-	-	-	-
Pasadena City of																		
1984	-	-	-	-	-	-	-	-	12	100.0	145,238	0.2	35.06	-	35.06	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	18	100.0	147,140	.2	35.00	-	35.00	8	138,214	27.80
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	66	100.0	147,260	.2	15.54	-	15.54	-	-	-
Pennsylvania Electric Co																		
1984	16,553	84.9	12,038	16.1	1.9	33.36	35.09	33.62	-	-	-	-	-	-	-	329	138,800	36.38
1985	15,100	89.4	12,101	15.6	1.8	33.36	31.56	33.17	-	-	-	-	-	-	-	269	138,800	34.02
1986	15,705	90.7	12,126	15.6	1.9	33.27	27.27	32.71	-	-	-	-	-	-	-	248	138,800	21.57
1987	16,651	80.9	12,168	15.4	1.8	33.26	27.68	32.19	-	-	-	-	-	-	-	240	138,800	23.64
1988	15,979	72.9	12,117	15.5	1.8	34.98	28.51	33.23	-	-	-	-	-	-	-	230	138,800	21.84
Pennsylvania Power & Light Co																		
1984	10,622	79.3	12,368	13.4	1.7	46.38	34.56	43.93	7,413	96.3	150,057	.9	30.07	29.97	30.07	334	137,946	35.17
1985	[1]8,944	85.0	12,292	13.7	1.6	45.84	25.50	42.78	7,547	96.2	149,361	.9	26.95	24.84	26.87	370	139,370	34.05
1986	[1]9,193	72.9	12,331	13.7	1.7	44.73	31.26	41.08	9,087	52.3	150,009	.9	15.69	14.06	14.92	496	139,776	21.79
1987	[1]9,607	63.0	12,240	14.5	1.7	42.70	27.16	40.06	6,934	76.8	150,657	.9	18.19	19.22	18.43	335	139,328	22.52
1988	[1]9,244	80.1	12,277	14.4	1.8	43.09	26.24	40.14	5,727	78.5	151,395	.9	14.68	14.50	14.64	404	140,184	19.86
Pennsylvania Power Co																		
1984	6,554	70.0	12,094	12.2	3.3	48.38	29.22	42.63	-	-	-	-	-	-	-	92	138,180	35.63
1985	6,359	57.3	12,081	11.9	3.4	51.48	27.15	41.10	-	-	-	-	-	-	-	9	136,794	35.28
1986	7,469	42.7	12,114	11.6	3.4	47.58	29.74	37.36	-	-	-	-	-	-	-	27	138,677	20.37
1987	6,766	73.6	12,109	11.5	3.5	36.29	29.43	34.48	-	-	-	-	-	-	-	145	138,249	23.62
1988	6,280	93.2	12,079	11.9	3.7	35.47	28.63	35.01	-	-	-	-	-	-	-	67	139,285	21.45
Philadelphia Electric Co																		
1984	1,280	39.6	13,064	8.3	1.8	44.48	47.85	46.52	6,954	97.7	149,067	.4	30.48	30.31	30.48	-	-	-
1985	1,233	5.9	13,068	8.1	1.5	47.59	44.81	44.97	4,944	97.9	149,297	.5	27.43	28.26	27.45	-	-	-
1986	585	-	13,055	7.6	1.5	-	40.41	40.41	4,904	96.5	148,615	.5	15.77	14.71	15.74	-	-	-
1987	1,279	37.5	13,035	7.6	1.6	39.78	39.26	39.47	4,275	88.7	149,531	.5	19.70	18.39	19.55	-	-	-
1988	1,071	68.1	13,179	7.4	1.5	41.55	40.90	41.35	3,943	87.5	150,029	.5	15.74	14.55	15.59	-	-	-
Plains Elec Gen&Trans Coop Inc																		
1984	265	100.0	9,977	8.8	.5	38.03	-	38.03	-	-	-	-	-	-	-	-	-	-
1985	967	100.0	9,523	14.2	.7	32.30	-	32.30	-	-	-	-	-	-	-	-	-	-
1986	605	100.0	9,478	13.9	.8	31.18	-	31.18	-	-	-	-	-	-	-	-	-	-
1987	612	100.0	9,598	14.2	.7	31.46	-	31.46	-	-	-	-	-	-	-	-	-	-
1988	858	100.0	9,500	14.5	.8	25.62	-	25.62	-	-	-	-	-	-	-	-	-	-
Platte River Power Authority																		
1984	907	100.0	8,839	5.0	.3	15.69	-	15.69	-	-	-	-	-	-	-	20	137,590	35.44
1985	1,160	100.0	8,917	4.8	.3	15.59	-	15.59	-	-	-	-	-	-	-	-	-	-
1986	1,046	100.0	8,845	4.8	.3	18.90	-	18.90	-	-	-	-	-	-	-	-	-	-
1987	1,142	97.1	8,771	5.1	.3	13.31	12.87	13.30	-	-	-	-	-	-	-	-	-	-
1988	1,183	100.0	8,833	5.6	.3	12.46	-	12.46	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Pacific Power & Light Co																
1984	-	-	-	-	-	-	224,078	499	-	100	0	-	261,204	258,042	3,161	-
1985	-	-	-	-	-	-	296,427	582	-	100	0	-	331,427	327,994	3,433	-
1986	-	-	-	-	-	-	271,812	571	-	100	0	-	319,821	317,757	2,064	-
1987	-	-	-	-	-	-	277,054	512	-	100	0	-	305,732	303,652	2,080	-
1988	-	-	-	-	-	-	325,624	594	-	100	0	-	342,865	340,566	2,299	-
Painesville City of																
1984	43	1,000	-	4.71	4.71	100.0	1,661	-	43	97	-	3	2,680	2,477	-	203
1985	17	1,000	-	4.69	4.69	100.0	1,578	-	17	99	-	1	2,227	2,146	-	81
1986	8	1,000	-	4.68	4.68	100.0	1,723	-	8	100	-	0	2,365	2,330	-	35
1987	16	1,000	4.20	4.42	4.24	19.2	2,287	-	16	99	-	1	3,046	2,977	-	68
1988	7	1,000	4.27	-	4.27	-	2,157	-	7	100	-	0	2,800	2,769	-	31
Pasadena City of																
1984	3,772	1,040	5.07	-	5.07	-	-	71	3,925	-	2	98	19,544	-	407	19,137
1985	3,422	1,045	4.66	-	4.66	-	-	-	3,576	-	-	100	15,948	-	-	15,948
1986	3,789	1,036	2.35	-	2.35	-	-	161	3,925	-	4	96	9,788	-	869	8,919
1987	4,135	1,033	2.39	-	2.39	-	-	-	4,273	-	-	100	9,894	-	-	9,894
1988	3,264	1,028	2.75	-	2.75	-	-	406	3,354	-	11	89	10,000	-	1,020	8,979
Pennsylvania Electric Co																
1984	-	-	-	-	-	-	398,524	1,918	-	100	0	-	568,436	556,466	11,970	-
1985	-	-	-	-	-	-	365,458	1,568	-	100	0	-	509,951	500,800	9,151	-
1986	-	-	-	-	-	-	380,874	1,446	-	100	0	-	519,099	513,750	5,349	-
1987	-	-	-	-	-	-	405,230	1,399	-	100	0	-	541,721	536,048	5,673	-
1988	-	-	-	-	-	-	387,246	1,341	-	100	0	-	535,994	530,970	5,024	-
Pennsylvania Power & Light Co																
1984	-	-	-	-	-	-	262,743	48,655	-	84	16	-	701,287	466,652	234,635	-
1985	-	-	-	-	-	-	219,888	49,509	-	82	18	-	598,030	382,647	215,383	-
1986	-	-	-	-	-	-	226,723	50,163	-	79	21	-	524,098	377,686	146,412	-
1987	-	-	-	-	-	-	235,184	45,836	-	84	16	-	520,190	384,840	135,350	-
1988	-	-	-	-	-	-	226,981	38,704	-	85	15	-	462,972	371,095	91,877	-
Pennsylvania Power Co																
1984	-	-	-	-	-	-	158,525	536	-	100	0	-	282,705	279,414	3,292	-
1985	-	-	-	-	-	-	153,658	54	-	100	0	-	261,726	261,394	332	-
1986	-	-	-	-	-	-	180,959	160	-	100	0	-	279,607	279,047	560	-
1987	-	-	-	-	-	-	163,861	845	-	99	1	-	236,717	233,281	3,436	-
1988	-	-	-	-	-	-	151,706	394	-	100	0	-	221,284	219,838	1,446	-
Philadelphia Electric Co																
1984	-	-	-	-	-	-	33,445	43,538	-	43	57	-	271,493	59,541	211,952	-
1985	-	-	-	-	-	-	32,225	31,001	-	51	49	-	191,176	55,453	135,722	-
1986	-	-	-	-	-	-	15,274	30,610	-	33	67	-	100,812	23,638	77,174	-
1987	-	-	-	-	-	-	33,343	26,848	-	55	45	-	134,059	50,484	83,576	-
1988	-	-	-	-	-	-	28,229	24,846	-	53	47	-	105,757	44,281	61,476	-
Plains Elec Gen&Trans Coop Inc																
1984	405	1,070	3.17	-	3.17	-	5,283	-	433	92	-	8	11,351	10,069	-	1,282
1985	45	1,052	3.83	-	3.83	-	18,419	-	47	100	-	0	31,410	31,237	-	173
1986	60	920	4.28	-	4.28	-	11,468	-	55	100	-	0	19,121	18,864	-	257
1987	26	901	3.42	-	3.42	-	11,744	-	23	100	-	0	19,337	19,249	-	89
1988	24	842	3.29	-	3.29	-	16,304	-	20	100	-	0	22,060	21,982	-	78
Platte River Power Authority																
1984	-	-	-	-	-	-	16,033	116	-	99	1	-	14,946	14,233	712	-
1985	-	-	-	-	-	-	20,690	-	-	100	-	-	18,084	18,084	-	-
1986	-	-	-	-	-	-	18,501	-	-	100	-	-	19,771	19,771	-	-
1987	-	-	-	-	-	-	20,035	-	-	100	-	-	15,186	15,186	-	-
1988	-	-	-	-	-	-	20,899	-	-	100	-	-	14,739	14,739	-	-

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Del Quan		Average Quality			Average Price in Dollars per Ton			Del Quan		Average Quality		Average Price in Dollars per Bbl			Del Quan	Btu per Gal	Av. Price $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls		
Portland General Electric Co																		
1984	352	100.0	8,327	4.8	0.3	33.24	-	33.24	-	-	-	-	-	-	-	10	138,247	33.37
1985	53	100.0	8,292	4.3	.3	33.12	-	33.12	-	-	-	-	-	-	-	15	138,800	33.03
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	138,800	18.90
1987	377	100.0	8,484	4.7	.3	23.78	-	23.78	-	-	-	-	-	-	-	-	-	-
1988	235	91.1	8,528	4.7	.3	23.70	23.73	23.70	-	-	-	-	-	-	-	-	-	-
Potomac Edison Co																		
1984	218	100.0	12,610	13.5	.9	41.30	-	41.30	-	-	-	-	-	-	-	4	141,000	35.93
1985	178	61.9	12,452	12.9	1.0	39.85	30.28	36.21	-	-	-	-	-	-	-	6	141,000	34.21
1986	164	36.6	12,536	11.5	.9	35.49	29.40	31.63	-	-	-	-	-	-	-	5	141,000	21.93
1987	231	58.5	12,554	11.3	1.0	33.51	27.92	31.19	-	-	-	-	-	-	-	5	141,000	23.69
1988	220	52.6	13,195	9.4	1.0	38.01	32.35	35.32	-	-	-	-	-	-	-	6	141,000	20.98
Potomac Electric Power Co																		
1984	6,993	64.8	12,539	11.7	1.6	44.72	44.46	44.63	[2] 3,014	92.9	149,322	1.4	30.52	30.42	30.51	478	138,041	33.92
1985	[1] 5,443	81.2	12,613	11.1	1.5	44.05	42.45	43.75	[2] 2,804	100.0	150,115	1.3	25.87	-	25.87	609	138,107	32.14
1986	5,764	81.4	12,637	11.1	1.5	42.65	39.12	41.99	[2] 3,066	100.0	148,417	1.4	14.67	-	14.67	570	138,337	19.69
1987	6,157	85.2	12,625	11.3	1.5	40.54	37.98	40.16	[2] 1,998	100.0	147,192	1.4	20.39	-	20.39	416	138,424	22.14
1988	6,309	78.5	12,615	11.4	1.6	41.61	37.69	40.77	[2] 3,563	100.0	149,126	1.2	15.43	-	15.43	216	138,615	20.29
Power Authority of State of NY																		
1984	-	-	-	-	-	-	-	-	1,158	-	145,951	.3	-	32.02	32.02	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	2,157	-	147,002	.3	-	16.10	16.10	-	-	-
1987	-	-	-	-	-	-	-	-	1,932	-	147,751	.2	-	20.05	20.05	-	-	-
1988	-	-	-	-	-	-	-	-	2,884	29.9	147,380	.3	17.06	15.80	16.18	-	-	-
Public Service Co of Colorado																		
1984	7,297	94.9	9,279	6.1	.4	22.66	28.47	22.96	26	-	145,411	.8	-	28.34	28.34	7	134,419	31.50
1985	6,804	91.8	9,369	6.4	.4	22.83	26.06	23.10	0	-	147,212	.7	-	24.76	24.76	22	136,805	34.62
1986	6,171	97.3	9,302	6.1	.4	23.52	26.07	23.59	-	-	-	-	-	-	-	28	137,394	19.07
1987	5,772	95.5	9,399	6.3	.4	23.74	24.62	23.78	-	-	-	-	-	-	-	28	136,759	22.10
1988	6,502	95.9	9,296	6.2	.4	21.69	22.11	21.70	-	-	-	-	-	-	-	9	136,454	23.05
Public Service Co of IN Inc																		
1984	15,315	81.6	10,760	10.9	2.5	30.00	27.63	29.57	-	-	-	-	-	-	-	110	137,000	34.56
1985	12,401	96.5	10,785	10.7	2.4	30.87	29.51	30.83	-	-	-	-	-	-	-	121	137,000	33.24
1986	11,150	97.7	10,723	10.7	2.4	31.63	31.73	31.63	-	-	-	-	-	-	-	129	137,000	21.21
1987	11,377	96.5	10,818	10.6	2.4	33.28	25.01	33.02	-	-	-	-	-	-	-	142	137,000	23.81
1988	10,796	91.1	10,884	10.2	2.4	33.77	23.92	32.89	-	-	-	-	-	-	-	142	137,000	20.96
Public Service Co of NH																		
1984	1,207	100.0	13,541	7.7	2.5	54.20	-	54.20	3,310	76.2	154,653	1.9	27.90	27.86	27.89	25	137,378	35.64
1985	1,433	100.0	13,452	7.7	2.1	54.05	-	54.05	2,238	78.1	150,170	1.9	24.48	21.02	23.72	23	137,154	33.38
1986	952	90.5	13,443	7.4	2.0	52.85	59.84	53.51	4,646	68.2	154,806	1.8	12.90	11.41	12.43	17	137,361	20.87
1987	1,115	97.2	13,416	7.4	2.2	51.68	44.07	51.47	3,372	94.1	155,870	1.7	16.91	16.90	16.90	12	137,676	23.35
1988	1,262	19.9	13,333	7.1	2.3	53.01	45.99	47.38	5,115	88.3	154,603	1.8	12.11	12.04	12.10	15	138,078	21.31
Public Service Co of NM																		
1984	6,054	100.0	9,382	20.5	.8	20.15	-	20.15	[2] 30	100.0	148,646	.5	29.33	-	29.33	29	137,095	35.80
1985	6,804	100.0	9,528	20.0	.7	21.13	-	21.13	[2] 33	100.0	146,628	.6	23.64	-	23.64	36	136,244	36.17
1986	5,876	100.0	9,456	20.7	.8	25.06	-	25.06	36	84.9	147,165	1.0	10.71	7.25	10.19	51	136,007	21.64
1987	5,037	100.0	9,426	22.1	.8	29.52	-	29.52	26	100.0	145,000	1.0	13.05	-	13.05	44	136,000	25.52
1988	4,890	100.0	9,540	21.3	.7	29.11	-	29.11	[2] 42	100.0	145,000	1.0	10.24	-	10.24	55	136,000	24.09
Public Service Co of Oklahoma																		
1984	3,231	100.0	8,494	5.8	.4	34.14	-	34.14	-	-	-	-	-	-	-	1	138,690	39.11
1985	3,044	100.0	8,324	6.0	.4	33.77	-	33.77	-	-	-	-	-	-	-	-	-	-
1986	2,821	100.0	8,352	6.0	.4	32.42	-	32.42	-	-	-	-	-	-	-	-	-	-
1987	2,954	100.0	8,533	6.1	.4	28.19	-	28.19	-	-	-	-	-	-	-	1	139,417	27.92
1988	2,704	99.8	8,714	6.2	.5	28.19	39.20	28.23	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Portland General Electric Co																
1984	-	-	-	-	-	-	5,860	57	-	99	1	-	12,027	11,696	330	-
1985	-	-	-	-	-	-	874	90	-	91	9	-	2,254	1,745	509	-
1986	-	-	-	-	-	-	-	1	-	-	100	-	3	-	3	-
1987	-	-	-	-	-	-	6,392	-	-	100	-	-	8,960	8,960	-	-
1988	-	-	-	-	-	-	4,001	-	-	100	-	-	5,559	5,559	-	-
Potomac Edison Co																
1984	-	-	-	-	-	-	5,499	21	-	100	0	-	9,133	9,003	130	-
1985	-	-	-	-	-	-	4,427	33	-	99	1	-	6,628	6,436	192	-
1986	-	-	-	-	-	-	4,107	29	-	99	1	-	5,289	5,182	108	-
1987	-	-	-	-	-	-	5,796	27	-	100	0	-	7,307	7,200	107	-
1988	-	-	-	-	-	-	5,795	36	-	99	1	-	7,883	7,756	126	-
Potomac Electric Power Co																
1984	-	-	-	-	-	-	175,358	21,677	-	89	11	-	420,294	312,097	108,197	-
1985	-	-	-	-	-	-	137,311	21,212	-	87	13	-	330,238	238,133	92,105	-
1986	799	1,058	2.90	-	2.90	-	145,692	22,421	845	86	13	1	300,595	242,071	56,208	2,316
1987	6,833	1,043	2.80	-	2.80	-	155,473	14,765	7,126	88	8	4	316,354	247,282	49,923	19,150
1988	1,568	1,041	2.42	-	2.42	-	159,168	23,576	1,632	86	13	1	320,347	257,200	59,356	3,791
Power Authority of State of NY																
1984	9,714	1,034	4.51	6.83	4.51	0.0	-	7,098	10,046	-	41	59	80,874	-	37,076	43,798
1985	18,025	1,037	3.92	-	3.92	-	-	-	18,688	-	-	100	70,702	-	-	70,702
1986	9,029	1,036	2.22	5.68	2.22	.1	-	13,317	9,354	-	59	41	54,770	-	34,730	20,040
1987	19,576	1,030	2.66	-	2.66	-	-	11,989	20,161	-	37	63	90,704	-	38,727	51,977
1988	11,447	1,031	2.37	-	2.37	-	-	17,852	11,800	-	60	40	73,835	-	46,663	27,172
Public Service Co of Colorado																
1984	1,334	984	3.64	-	3.64	-	135,419	198	1,313	99	0	1	173,352	167,536	959	4,857
1985	1,008	994	3.32	-	3.32	-	127,487	125	1,002	99	0	1	161,248	157,150	753	3,345
1986	1,657	985	2.85	2.19	2.83	3.9	114,797	161	1,633	98	0	1	150,805	145,588	533	4,684
1987	4,601	984	2.21	2.11	2.18	31.8	108,515	161	4,527	96	0	4	147,937	137,286	619	10,031
1988	4,490	982	2.18	2.16	2.17	43.5	120,760	53	4,411	96	0	4	151,070	141,121	214	9,734
Public Service Co of IN Inc																
1984	-	-	-	-	-	-	329,580	633	-	100	0	-	456,650	452,848	3,802	-
1985	-	-	-	-	-	-	267,471	695	-	100	0	-	386,273	382,261	4,012	-
1986	-	-	-	-	-	-	239,138	743	-	100	0	-	355,416	352,676	2,740	-
1987	-	-	-	-	-	-	246,160	816	-	100	0	-	379,036	375,659	3,376	-
1988	-	-	-	-	-	-	235,004	818	-	100	0	-	358,082	355,101	2,981	-
Public Service Co of NH																
1984	66	1,027	4.02	-	4.02	-	32,698	21,639	67	60	40	0	158,885	65,445	93,177	263
1985	-	-	-	-	-	-	38,546	14,816	-	72	28	-	131,308	77,431	53,877	-
1986	-	-	-	-	-	-	25,605	30,307	-	46	54	-	109,050	50,962	58,088	-
1987	-	-	-	-	-	-	29,931	22,148	-	57	43	-	114,706	57,412	57,294	-
1988	-	-	-	-	-	-	33,642	33,299	-	50	50	-	122,003	59,779	62,224	-
Public Service Co of NM																
1984	101	1,068	5.40	-	5.40	-	113,594	359	108	100	0	0	124,496	122,004	1,945	547
1985	1,377	1,097	4.05	-	4.05	-	129,651	407	1,510	99	0	1	151,402	143,755	2,073	5,574
1986	907	1,138	2.26	-	2.26	-	111,133	510	1,032	99	0	1	150,770	147,261	1,460	2,050
1987	251	1,081	2.36	-	2.36	-	94,959	408	271	99	0	0	150,732	148,681	1,458	593
1988	303	1,062	3.29	-	3.29	-	93,301	572	321	99	1	0	145,095	142,337	1,762	997
Public Service Co of Oklahoma																
1984	75,846	1,045	-	2.70	2.70	100.0	55,905	4	79,269	41	0	59	317,438	112,369	27	205,041
1985	68,751	1,051	-	2.86	2.86	100.0	50,676	-	72,266	41	-	59	299,482	102,799	-	196,683
1986	68,486	1,049	-	2.86	2.86	100.0	48,790	-	71,814	40	-	60	290,400	94,701	-	195,700
1987	53,843	1,050	-	3.01	3.01	100.0	50,414	4	56,520	47	0	53	245,192	83,285	17	161,890
1988	56,823	1,042	-	3.11	3.11	100.0	47,133	-	59,194	44	-	56	253,156	76,349	-	176,808

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Del Quan		Average Quality			Average Price in Dollars per Ton			Del Quan		Average Quality		Average Price in Dollars per Bbl			Del Quan	Btu per Gal	Av. Price $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls		
Public Service Electric&Gas Co																		
1984	1,915	66.8	13,347	7.3	1.0	56.61	51.96	55.06	[2] 5,653	95.3	147,059	0.3	30.86	29.40	30.80	-	-	-
1985	2,297	74.5	13,336	7.5	1.0	53.86	48.95	52.61	[2] 3,221	82.5	146,823	.3	28.90	26.51	28.49	-	-	-
1986	1,761	66.0	13,336	7.3	1.0	50.67	44.86	48.70	[2] 5,751	66.8	146,720	.3	14.45	13.93	14.28	15	138,259	18.67
1987	1,811	84.1	13,339	7.5	.9	46.67	44.82	46.06	2,507	67.1	147,241	.3	20.04	19.81	19.96	1	137,258	22.35
1988	1,615	81.9	13,438	6.9	.8	46.27	45.29	46.09	5,223	75.3	147,533	.3	16.25	15.36	16.03	2	139,531	21.94
Richmond City of																		
1984	209	71.1	11,044	10.9	1.8	41.65	33.74	39.37	-	-	-	-	-	-	-	-	-	-
1985	200	84.9	11,080	9.8	2.1	40.89	30.86	39.37	-	-	-	-	-	-	-	-	-	-
1986	192	89.2	11,099	10.7	2.2	39.69	30.60	38.70	-	-	-	-	-	-	-	-	-	-
1987	192	86.3	11,271	11.2	2.5	38.27	29.88	37.29	-	-	-	-	-	-	-	-	-	-
1988	221	83.3	11,441	11.6	2.5	38.35	30.40	37.02	-	-	-	-	-	-	-	-	-	-
Rochester City of																		
1984	116	73.1	12,297	7.6	1.7	50.88	49.59	50.53	-	-	-	-	-	-	-	-	-	-
1985	175	75.9	12,196	6.7	1.5	52.52	50.60	52.06	-	-	-	-	-	-	-	-	-	-
1986	113	100.0	12,250	7.1	1.6	51.64	-	51.64	-	-	-	-	-	-	-	-	-	-
1987	122	100.0	12,257	7.1	1.7	47.21	-	47.21	-	-	-	-	-	-	-	-	-	-
1988	107	100.0	12,148	6.9	1.6	47.86	-	47.86	-	-	-	-	-	-	-	-	-	-
Rochester Gas & Electric Corp																		
1984	836	58.4	12,939	8.1	2.3	46.66	43.67	46.59	132	-	149,928	1.7	-	28.52	28.52	-	-	-
1985	779	60.0	13,055	7.9	2.2	48.30	44.07	46.61	43	46.2	150,834	1.9	26.78	27.64	27.24	-	-	-
1986	546	94.3	13,067	7.9	2.3	46.26	43.25	46.11	-	-	-	-	-	-	-	-	-	-
1987	533	85.6	13,232	7.0	2.3	45.61	41.30	44.99	-	-	-	-	-	-	-	-	-	-
1988	623	87.1	13,158	7.2	1.9	43.88	41.61	43.59	-	-	-	-	-	-	-	-	-	-
Ruston City of																		
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S Mississippi Elec Pwr Assn																		
1984	863	100.0	12,327	8.5	.9	54.48	-	54.48	-	-	-	-	-	-	-	16	138,523	35.44
1985	922	100.0	12,355	8.2	.9	55.96	-	55.96	-	-	-	-	-	-	-	3	141,600	38.30
1986	823	38.0	12,536	8.2	.9	56.00	52.27	53.69	-	-	-	-	-	-	-	8	140,009	20.52
1987	795	-	12,561	8.4	.9	-	55.84	55.84	-	-	-	-	-	-	-	7	134,499	22.65
1988	750	83.2	12,550	8.4	.9	48.94	57.19	50.33	[2] 0	-	134,395	1.7	-	4.20	4.20	10	140,503	19.82
Salt River Proj Ag I & P Dist																		
1984	9,280	100.0	10,940	9.8	.5	23.73	-	23.73	-	-	-	-	-	-	-	149	140,538	36.13
1985	8,880	100.0	10,928	9.7	.5	23.94	-	23.94	-	-	-	-	-	-	-	128	140,247	37.15
1986	8,620	100.0	10,873	10.0	.5	25.59	-	25.59	35	-	150,554	.8	-	22.22	22.22	153	138,693	21.68
1987	8,709	98.9	10,884	10.1	.5	24.66	31.56	24.74	11	-	140,397	.8	-	13.21	13.21	216	138,692	25.88
1988	9,103	100.0	10,916	9.6	.5	26.89	-	26.89	21	-	148,483	.9	-	15.40	15.40	158	139,620	25.05
San Antonio City of																		
1984	3,449	100.0	8,347	6.1	.3	35.53	-	35.53	-	-	-	-	-	-	-	-	-	-
1985	3,540	100.0	8,297	5.9	.4	35.35	-	35.35	-	-	-	-	-	-	-	-	-	-
1986	2,813	92.9	8,273	5.9	.4	28.71	26.54	28.56	-	-	-	-	-	-	-	566	139,807	15.56
1987	2,657	100.0	8,308	5.7	.4	27.67	-	27.67	-	-	-	-	-	-	-	-	-	-
1988	3,180	100.0	8,445	5.4	.4	24.57	-	24.57	-	-	-	-	-	-	-	-	-	-
San Diego Gas & Electric Co																		
1984	-	-	-	-	-	-	-	-	1,071	39.1	147,148	.4	39.11	29.31	33.14	-	-	-
1985	-	-	-	-	-	-	-	-	772	-	148,842	.3	-	24.75	24.75	-	-	-
1986	-	-	-	-	-	-	-	-	3,402	-	146,909	.3	-	13.44	13.44	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	2,079	2.4	146,623	.3	16.58	15.86	15.87	-	-	-

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Public Service Electric&Gas Co																
1984	61,028	1,037	4.51	-	4.51	-	51,129	34,916	63,306	34	23	42	554,939	105,461	174,098	275,379
1985	34,109	1,051	4.25	-	4.25	-	61,259	19,865	35,838	52	17	31	357,710	120,834	91,764	145,112
1986	19,111	1,036	2.62	-	2.62	-	46,963	35,530	19,800	46	35	19	218,128	85,741	82,387	50,000
1987	39,797	1,034	2.64	-	2.64	-	48,321	15,509	41,160	46	15	39	242,016	87,043	50,070	104,904
1988	28,026	1,034	2.32	-	2.32	-	43,400	32,377	28,978	41	31	26	223,109	74,434	83,769	64,907
Richmond City of																
1984	-	-	-	-	-	-	4,626	-	-	100	-	-	8,245	8,245	-	-
1985	-	-	-	-	-	-	4,438	-	-	100	-	-	7,884	7,884	-	-
1986	-	-	-	-	-	-	4,256	-	-	100	-	-	7,420	7,420	-	-
1987	-	-	-	-	-	-	4,335	-	-	100	-	-	7,170	7,170	-	-
1988	-	-	-	-	-	-	5,068	-	-	100	-	-	8,200	8,200	-	-
Rochester City of																
1984	67	1,001	-	5.35	5.35	100.0	2,865	-	67	98	-	2	6,244	5,887	-	357
1985	67	1,003	-	5.14	5.14	100.0	4,271	-	67	98	-	2	9,458	9,115	-	343
1986	75	995	-	4.66	4.66	100.0	2,761	-	75	97	-	3	6,170	5,820	-	350
1987	1,361	994	1.92	3.14	1.93	1.3	2,993	-	1,354	69	-	31	8,396	5,764	-	2,632
1988	1,109	1,003	1.70	-	1.70	-	2,592	-	1,112	70	-	30	6,988	5,106	-	1,882
Rochester Gas & Electric Corp																
1984	1,100	1,029	-	4.27	4.27	100.0	21,644	829	1,132	92	4	5	47,424	38,965	3,756	4,704
1985	823	1,021	-	4.17	4.17	100.0	20,353	274	841	95	1	4	40,944	36,329	1,179	3,435
1986	112	1,027	-	4.21	4.21	100.0	14,338	-	115	99	-	1	25,732	25,261	-	471
1987	-	-	-	-	-	-	14,094	-	-	100	-	-	23,963	23,963	-	-
1988	-	-	-	-	-	-	16,408	-	-	100	-	-	27,178	27,178	-	-
Ruston City of																
1984	1,217	1,062	-	3.59	3.59	100.0	-	-	1,293	-	-	100	4,371	-	-	4,371
1985	632	1,033	-	3.46	3.46	100.0	-	-	653	-	-	100	2,187	-	-	2,187
1986	1,489	1,035	-	2.60	2.60	100.0	-	-	1,541	-	-	100	3,871	-	-	3,871
1987	1,986	1,045	-	1.98	1.98	100.0	-	-	2,075	-	-	100	3,926	-	-	3,926
1988	2,017	1,047	-	1.92	1.92	100.0	-	-	2,110	-	-	100	3,874	-	-	3,874
S Mississippi Elec Pwr Assn																
1984	263	1,030	-	3.97	3.97	100.0	21,282	94	271	98	0	1	48,639	47,023	571	1,045
1985	1,195	1,042	-	3.63	3.63	100.0	22,782	20	1,246	95	0	5	56,063	51,593	130	4,340
1986	4,531	1,042	1.87	2.27	2.12	62.9	20,640	45	4,721	81	0	19	53,963	44,197	156	9,610
1987	5,333	1,028	1.72	-	1.72	-	19,979	40	5,483	78	0	21	53,724	44,409	161	9,154
1988	4,312	1,013	1.79	-	1.79	-	18,817	61	4,366	81	0	18	45,654	37,730	200	7,725
Salt River Proj Ag I & P Dist																
1984	6,168	1,063	4.04	-	4.04	-	203,059	881	6,558	96	0	3	250,561	220,260	5,394	24,907
1985	9,439	1,074	3.85	-	3.85	-	194,076	755	10,136	95	0	5	253,669	212,611	4,758	36,299
1986	5,305	1,061	2.55	-	2.55	-	187,450	1,111	5,630	97	1	3	238,164	220,555	4,090	13,520
1987	4,255	1,044	2.63	-	2.63	-	189,572	1,320	4,440	97	1	2	232,316	215,418	5,724	11,174
1988	4,671	1,045	2.24	-	2.24	-	198,722	1,059	4,879	97	1	2	259,534	244,797	4,288	10,449
San Antonio City of																
1984	42,211	1,033	-	4.12	4.12	100.0	57,576	-	43,605	57	-	43	296,599	122,547	-	174,052
1985	51,171	1,042	4.01	3.67	3.68	97.9	58,737	-	53,333	52	-	48	313,260	125,131	-	188,128
1986	63,554	1,029	1.75	3.61	2.22	25.2	45,536	3,322	65,404	40	3	57	230,314	80,319	8,801	141,194
1987	67,680	1,024	1.71	3.92	1.85	6.4	44,149	-	69,281	39	-	61	198,668	73,520	-	125,148
1988	52,872	1,023	1.88	4.39	1.94	2.4	53,704	-	54,066	50	-	50	180,684	78,124	-	102,560
San Diego Gas & Electric Co																
1984	40,900	1,038	5.19	-	5.19	-	-	6,619	42,466	-	13	87	247,952	-	35,495	212,457
1985	35,611	1,043	4.78	-	4.78	-	-	4,820	37,148	-	11	89	189,280	-	19,106	170,174
1986	25,983	1,035	2.81	-	2.81	-	-	20,991	26,902	-	44	56	118,633	-	45,723	72,910
1987	45,397	1,034	2.11	-	2.11	-	-	-	46,959	-	-	100	95,941	-	-	95,941
1988	32,076	1,033	2.32	-	2.32	-	-	12,803	33,148	-	28	72	107,505	-	33,004	74,501

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Del Quan		Average Quality			Average Price in Dollars per Ton			Del Quan		Average Quality		Average Price in Dollars per Bbl			Del Quan	Btu per Gal	Av. Price $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls		
San Miguel Electric Coop Inc																		
1984	2,810	100.0	5,511	24.5	1.7	11.97	-	11.97	-	-	-	-	-	-	-	24	141,048	30.04
1985	2,529	100.0	5,404	23.9	1.9	13.51	-	13.51	-	-	-	-	-	-	-	37	141,140	29.18
1986	2,365	100.0	5,362	24.8	1.8	12.73	-	12.78	-	-	-	-	-	-	-	51	143,507	18.61
1987	2,525	100.0	5,369	24.8	1.7	9.22	-	9.22	-	-	-	-	-	-	-	7	139,489	21.00
1988	3,163	100.0	5,198	26.2	1.7	8.08	-	8.08	-	-	-	-	-	-	-	10	139,177	17.39
Savannah Electric & Power Co																		
1984	969	-	12,925	9.0	.9	-	48.73	48.73	7	-	151,528	1.5	-	34.60	34.60	2	135,879	33.51
1985	771	-	12,935	8.5	1.0	-	46.12	46.12	10	-	146,836	2.2	-	24.69	24.69	5	135,883	35.74
1986	856	-	12,933	8.8	.9	-	43.52	43.52	190	-	147,867	2.4	-	11.73	11.73	5	135,952	21.58
1987	777	-	13,026	8.7	.9	-	42.81	42.81	141	-	146,685	2.5	-	19.10	19.10	2	135,879	23.97
1988	870	-	12,951	7.9	.8	-	44.07	44.07	67	-	147,194	2.5	-	14.44	14.44	4	135,808	21.71
Seminole Electric Coop Inc																		
1984	1,729	81.1	12,351	8.8	2.9	55.24	48.19	53.91	-	-	-	-	-	-	-	205	137,770	35.24
1985	2,420	71.1	12,292	8.9	2.9	56.37	45.84	53.33	-	-	-	-	-	-	-	112	140,979	34.07
1986	2,952	84.8	12,076	8.7	2.7	51.25	40.48	49.61	-	-	-	-	-	-	-	42	138,853	20.99
1987	3,052	80.6	12,132	8.6	2.9	51.56	37.32	48.80	-	-	-	-	-	-	-	42	139,508	22.58
1988	2,283	86.3	12,007	8.3	2.9	48.76	36.94	47.15	-	-	-	-	-	-	-	28	138,490	22.05
Sierra Pacific Power Co																		
1984	635	100.0	11,358	7.8	.4	46.77	-	46.77	2	-	149,292	.5	-	25.24	25.24	9	136,300	36.63
1985	1,301	100.0	11,296	8.2	.4	46.29	-	46.29	-	-	-	-	-	-	-	34	138,500	35.80
1986	1,071	100.0	11,166	8.2	.3	41.90	-	41.90	286	-	148,863	.4	-	12.36	12.36	12	138,500	22.50
1987	1,103	100.0	10,964	8.6	.4	40.63	-	40.63	408	-	148,800	.7	-	15.04	15.04	16	138,500	24.95
1988	1,430	100.0	10,589	8.5	.4	39.96	-	39.96	822	-	148,800	.8	-	15.35	15.35	16	138,500	28.52
Sikeston City of																		
1984	659	43.6	11,367	12.5	2.6	43.45	44.20	43.88	-	-	-	-	-	-	-	5	141,000	42.05
1985	277	100.0	11,176	12.8	2.5	43.14	-	43.14	-	-	-	-	-	-	-	8	141,000	42.05
1986	304	100.0	11,198	11.5	2.6	28.63	-	28.63	-	-	-	-	-	-	-	6	141,000	35.48
1987	576	100.0	11,449	10.5	2.2	34.27	-	34.27	-	-	-	-	-	-	-	4	141,000	21.54
1988	604	100.0	11,413	11.3	2.5	35.66	-	35.66	-	-	-	-	-	-	-	3	141,000	19.74
South Carolina Electric&Gas Co																		
1984	3,565	100.0	12,811	9.2	1.3	51.83	-	51.83	-	-	-	-	-	-	-	47	139,602	34.28
1985	4,216	87.2	12,852	8.9	1.3	50.60	43.01	49.63	-	-	-	-	-	-	-	72	138,000	33.05
1986	3,616	89.1	12,929	8.9	1.3	47.40	39.79	46.57	-	-	-	-	-	-	-	64	138,000	22.25
1987	4,779	71.6	12,878	8.9	1.3	46.33	38.04	43.98	-	-	-	-	-	-	-	65	138,000	23.33
1988	4,374	70.1	12,897	9.0	1.2	46.08	40.17	44.31	-	-	-	-	-	-	-	72	138,000	22.23
South Carolina Pub Serv Auth																		
1984	3,328	80.1	12,218	10.7	1.2	47.36	44.29	46.75	-	-	-	-	-	-	-	57	140,000	35.32
1985	3,535	84.7	12,263	10.5	1.3	47.35	42.32	46.58	-	-	-	-	-	-	-	40	140,000	34.00
1986	3,454	85.2	12,416	9.9	1.2	47.38	40.92	46.42	-	-	-	-	-	-	-	22	140,000	20.46
1987	4,128	72.7	12,391	10.1	1.2	47.41	36.97	44.56	-	-	-	-	-	-	-	37	140,000	23.34
1988	4,211	69.5	12,452	9.8	1.2	48.68	36.58	44.99	-	-	-	-	-	-	-	18	140,000	21.21
Southern California Edison Co																		
1984	4,574	100.0	10,959	10.1	.6	22.70	-	22.70	938	100.0	145,918	.1	40.92	-	40.92	-	-	-
1985	2,285	100.0	10,961	10.2	.5	22.56	-	22.56	1,683	100.0	145,974	.0	41.17	-	41.17	-	-	-
1986	4,756	100.0	10,998	9.8	.6	22.43	-	22.43	2,543	100.0	146,405	.2	31.25	-	31.25	-	-	-
1987	4,293	100.0	10,984	10.0	.5	22.96	-	22.96	1,061	100.0	147,115	.3	17.08	-	17.08	-	-	-
1988	5,013	100.0	11,005	9.9	.5	22.49	-	22.49	5,248	100.0	145,695	.2	16.51	-	16.51	-	-	-
Southern Illinois Power Coop																		
1984	902	30.3	10,314	18.3	3.1	36.50	16.50	22.55	-	-	-	-	-	-	-	-	-	-
1985	657	38.2	10,274	18.7	2.9	36.54	14.52	22.93	-	-	-	-	-	-	-	-	-	-
1986	737	54.8	10,633	18.5	3.2	26.61	12.53	20.25	-	-	-	-	-	-	-	-	-	-
1987	655	62.0	10,950	17.3	3.3	25.94	12.19	20.72	-	-	-	-	-	-	-	-	-	-
1988	700	37.7	10,476	18.8	3.2	19.89	14.42	16.48	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
San Miguel Electric Coop Inc																
1984	-	-	-	-	-	-	30,973	143	-	100	0	-	34,369	33,641	727	-
1985	-	-	-	-	-	-	27,328	218	-	99	1	-	35,228	34,156	1,072	-
1986	-	-	-	-	-	-	25,360	308	-	99	1	-	31,176	30,226	950	-
1987	-	-	-	-	-	-	27,109	42	-	100	0	-	23,417	23,265	152	-
1988	-	-	-	-	-	-	32,879	61	-	100	0	-	25,748	25,568	180	-
Savannah Electric & Power Co																
1984	489	1,022	4.62	-	4.62	-	25,041	56	500	98	0	2	49,773	47,205	311	2,258
1985	394	1,023	4.58	4.50	4.58	3.5	19,944	92	403	98	0	2	37,800	35,555	438	1,807
1986	681	1,023	4.21	-	4.21	-	22,201	1,209	696	92	5	3	42,560	37,356	2,341	2,862
1987	497	1,023	3.96	-	3.96	-	20,244	882	508	94	4	2	37,984	33,266	2,750	1,968
1988	1,186	1,022	2.71	-	2.71	-	22,543	435	1,212	93	2	5	42,617	38,358	1,045	3,213
Seminole Electric Coop Inc																
1984	-	-	-	-	-	-	42,708	1,186	-	97	3	-	100,435	93,210	7,225	-
1985	-	-	-	-	-	-	59,494	663	-	99	1	-	132,871	129,055	3,816	-
1986	-	-	-	-	-	-	71,296	245	-	100	0	-	147,341	146,459	882	-
1987	-	-	-	-	-	-	74,055	246	-	100	0	-	149,883	148,935	948	-
1988	-	-	-	-	-	-	54,826	163	-	100	0	-	108,253	107,635	617	-
Sierra Pacific Power Co																
1984	3,278	1,048	4.51	-	4.51	-	14,415	62	3,435	80	0	19	44,843	29,678	370	14,795
1985	3,241	1,056	4.25	-	4.25	-	29,383	199	3,422	89	1	10	75,202	60,206	1,227	13,769
1986	1,423	1,029	3.70	-	3.70	-	23,928	1,860	1,463	88	7	5	53,967	44,897	3,811	5,259
1987	1,490	1,015	2.93	-	2.93	-	24,181	2,645	1,513	85	9	5	55,725	44,808	6,545	4,372
1988	4,225	1,017	2.92	-	2.92	-	30,283	5,230	4,298	76	13	11	82,547	57,140	13,075	12,332
Sikeston City of																
1984	-	-	-	-	-	-	14,981	27	-	100	0	-	29,104	28,914	190	-
1985	-	-	-	-	-	-	6,190	50	-	99	1	-	12,300	11,946	354	-
1986	-	-	-	-	-	-	6,799	33	-	99	1	-	8,919	8,691	228	-
1987	-	-	-	-	-	-	13,192	24	-	100	0	-	19,830	19,742	88	-
1988	-	-	-	-	-	-	13,789	20	-	100	0	-	21,612	21,544	68	-
South Carolina Electric&Gas Co																
1984	103	1,022	4.43	-	4.43	-	91,349	273	105	100	0	0	186,856	184,803	1,598	456
1985	203	1,026	4.64	-	4.64	-	108,355	417	208	99	0	0	212,552	209,228	2,380	943
1986	951	1,022	2.00	-	2.00	-	93,515	369	972	99	0	1	171,740	168,416	1,418	1,906
1987	173	1,027	3.57	-	3.57	-	123,082	376	178	100	0	0	212,290	210,158	1,514	618
1988	1,631	1,032	1.83	-	1.83	-	112,818	420	1,683	98	0	1	198,405	193,813	1,612	2,980
South Carolina Pub Serv Auth																
1984	-	-	-	-	-	-	81,331	337	-	100	0	-	157,615	155,589	2,026	-
1985	-	-	-	-	-	-	86,700	235	-	100	0	-	166,036	164,678	1,358	-
1986	-	-	-	-	-	-	85,766	131	-	100	0	-	160,792	160,336	455	-
1987	-	-	-	-	-	-	102,267	216	-	100	0	-	184,783	183,927	856	-
1988	-	-	-	-	-	-	104,870	104	-	100	0	-	189,830	189,454	376	-
Southern California Edison Co																
1984	213,412	1,052	5.02	-	5.02	-	100,255	5,749	224,542	30	2	68	1,213,853	103,838	38,386	1,071,629
1985	257,171	1,054	4.33	-	4.33	-	50,081	10,318	271,052	15	3	82	1,233,995	51,549	69,289	1,113,157
1986	174,300	1,050	2.71	-	2.71	-	104,619	15,636	183,099	34	5	60	659,047	106,696	79,474	472,878
1987	251,096	1,045	2.65	-	2.65	-	94,310	6,555	262,312	26	2	72	783,081	98,576	18,121	666,384
1988	153,368	1,046	3.44	-	3.44	-	110,341	32,111	160,501	36	11	53	727,356	112,742	86,620	527,994
Southern Illinois Power Coop																
1984	-	-	-	-	-	-	18,606	-	-	100	-	-	20,341	20,341	-	-
1985	-	-	-	-	-	-	13,501	-	-	100	-	-	15,066	15,066	-	-
1986	-	-	-	-	-	-	15,673	-	-	100	-	-	14,922	14,922	-	-
1987	-	-	-	-	-	-	14,345	-	-	100	-	-	13,570	13,570	-	-
1988	-	-	-	-	-	-	14,666	-	-	100	-	-	11,539	11,539	-	-

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Del Quan		Average Quality			Average Price in Dollars per Ton			Del Quan		Average Quality		Average Price in Dollars per Bbl			Del Quan	Btu per Gal	Av. Price $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 Bbls		
Southern Indiana Gas & Elec Co																		
1984	2,214	99.5	11,068	9.3	3.2	33.03	34.10	33.04	-	-	-	-	-	-	-	2	139,000	37.12
1985	1,878	98.9	11,143	9.1	3.3	35.82	25.35	35.71	-	-	-	-	-	-	-	10	139,000	37.10
1986	2,300	97.5	11,219	9.1	3.4	33.87	25.35	33.65	-	-	-	-	-	-	-	15	139,000	24.05
1987	2,296	97.4	11,247	8.9	3.3	33.18	23.39	32.93	-	-	-	-	-	-	-	12	139,000	24.94
1988	2,241	100.0	11,245	8.6	3.3	32.70	-	32.70	-	-	-	-	-	-	-	13	139,000	23.12
Southwestern Electric Power Co																		
1984	7,257	100.0	8,256	5.0	.4	29.23	-	29.23	-	-	-	-	-	-	-	80	140,000	35.86
1985	10,069	100.0	7,900	6.3	.6	25.55	-	25.55	-	-	-	-	-	-	-	74	140,000	33.77
1986	9,244	100.0	7,939	6.2	.6	26.33	-	26.33	-	-	-	-	-	-	-	37	140,000	17.13
1987	9,464	100.0	7,927	6.5	.7	25.91	-	25.91	-	-	-	-	-	-	-	41	140,000	22.62
1988	9,073	100.0	8,016	6.3	.6	28.39	-	28.39	-	-	-	-	-	-	-	32	140,000	27.89
Southwestern Public Service Co																		
1984	5,106	100.0	8,838	4.9	.3	34.80	-	34.80	-	-	-	-	-	-	-	-	-	-
1985	6,992	100.0	8,821	5.0	.3	27.94	-	27.94	-	-	-	-	-	-	-	-	-	-
1986	6,803	100.0	8,857	4.9	.4	29.78	-	29.78	-	-	-	-	-	-	-	-	-	-
1987	7,201	93.7	8,837	5.0	.4	31.04	18.56	30.26	-	-	-	-	-	-	-	-	-	-
1988	7,912	88.4	8,777	5.0	.3	30.07	18.66	28.74	-	-	-	-	-	-	-	2	139,000	20.97
Springfield City of (MO)																		
1984	682	100.0	11,985	12.9	3.5	33.27	-	33.27	-	-	-	-	-	-	-	-	-	-
1985	456	100.0	12,337	11.2	3.8	32.10	-	32.10	-	-	-	-	-	-	-	-	-	-
1986	716	100.0	12,694	11.0	4.0	30.45	-	30.45	-	-	-	-	-	-	-	-	-	-
1987	644	100.0	12,407	10.5	4.1	29.25	-	29.25	-	-	-	-	-	-	-	-	-	-
1988	815	100.0	12,135	10.4	3.5	30.15	-	30.15	-	-	-	-	-	-	-	-	-	-
Springfield City of (IL)																		
1984	779	97.4	10,355	9.0	2.8	38.97	36.09	38.89	-	-	-	-	-	-	-	-	-	-
1985	701	100.0	10,354	9.1	2.9	41.37	-	41.37	-	-	-	-	-	-	-	-	-	-
1986	788	100.0	10,344	9.2	2.9	34.00	-	34.00	-	-	-	-	-	-	-	-	-	-
1987	840	100.0	10,404	9.4	2.9	32.99	-	32.99	-	-	-	-	-	-	-	-	-	-
1988	895	100.0	10,361	9.2	3.0	33.63	-	33.63	-	-	-	-	-	-	-	-	-	-
St Joseph Light & Power Co																		
1984	84	-	12,528	11.2	3.7	-	36.78	36.78	-	-	-	-	-	-	-	3	138,366	36.21
1985	116	-	11,645	13.0	3.1	-	33.86	33.86	5	-	144,545	1.1	-	25.18	25.18	2	139,029	33.20
1986	107	-	12,163	16.1	3.7	-	34.97	34.97	-	-	-	-	-	-	-	-	-	-
1987	111	-	12,164	14.9	3.6	-	33.36	33.36	39	-	154,599	1.8	-	15.17	15.17	-	-	-
1988	183	-	12,463	12.4	3.8	-	33.50	33.50	45	-	152,578	1.7	-	11.09	11.09	9	138,969	20.83
Sunflower Electric Coop Inc																		
1984	918	100.0	8,244	5.9	.4	24.82	-	24.82	-	-	-	-	-	-	-	-	-	-
1985	895	100.0	8,258	5.8	.5	24.54	-	24.54	-	-	-	-	-	-	-	-	-	-
1986	795	100.0	8,319	5.5	.4	24.18	-	24.18	-	-	-	-	-	-	-	-	-	-
1987	902	100.0	8,282	5.6	.4	17.47	-	17.47	-	-	-	-	-	-	-	-	-	-
1988	1,000	43.0	8,345	5.4	.4	18.21	15.03	16.39	-	-	-	-	-	-	-	-	-	-
Tallahassee City of																		
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	28	-	151,350	2.4	-	22.95	22.95	-	-	-
1986	-	-	-	-	-	-	-	-	430	100.0	151,282	2.1	11.62	-	11.62	-	-	-
1987	-	-	-	-	-	-	-	-	67	100.0	151,787	1.6	18.42	-	18.42	-	-	-
1988	-	-	-	-	-	-	-	-	223	86.4	151,577	1.8	12.77	11.90	12.65	-	-	-
Tampa Electric Co																		
1984	5,776	72.5	12,139	8.7	2.1	47.70	43.11	46.43	1,392	92.8	151,441	1.0	29.02	29.38	29.05	188	138,402	34.36
1985	5,864	85.8	11,936	8.5	2.2	47.53	35.73	45.86	418	94.8	151,343	.9	25.25	24.51	25.22	213	138,725	32.66
1986	5,632	82.1	12,111	8.1	2.2	47.74	37.56	45.91	-	-	-	-	-	-	-	224	138,278	18.94
1987	6,947	75.1	12,266	8.0	2.1	47.55	35.15	44.46	-	-	-	-	-	-	-	186	138,514	22.70
1988	6,749	81.9	12,282	7.8	2.2	46.26	29.82	43.28	-	-	-	-	-	-	-	101	138,982	20.44

'See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Southern Indiana Gas & Elec Co																
1984	7	1,009	3.77	-	3.77	-	49,003	10	7	100	0	0	73,230	73,140	62	28
1985	29	1,015	3.91	-	3.91	-	41,845	58	29	100	0	0	67,520	67,042	367	111
1986	22	1,026	2.89	-	2.89	-	51,598	88	22	100	0	0	77,817	77,393	362	62
1987	28	1,025	2.77	-	2.77	-	51,655	69	28	100	0	0	75,995	75,625	293	77
1988	30	1,023	2.95	-	2.95	-	50,390	77	31	100	0	0	73,654	73,261	305	88
Southwestern Electric Power Co																
1984	36,556	1,038	-	3.89	3.89	100.0	119,834	470	37,956	76	0	24	357,231	212,089	2,869	142,272
1985	32,597	1,026	-	3.53	3.53	100.0	159,089	435	33,429	82	0	17	374,830	257,308	2,499	115,023
1986	23,283	1,013	-	2.79	2.79	100.0	146,785	218	23,577	86	0	14	308,905	243,356	634	64,916
1987	19,404	961	1.70	2.34	2.14	68.6	150,036	241	18,649	89	0	11	287,651	245,193	927	41,531
1988	21,894	972	1.96	2.52	2.29	59.1	145,452	188	21,274	87	0	13	308,685	257,547	893	50,245
Southwestern Public Service Co																
1984	72,224	987	3.78	3.22	3.50	49.0	90,258	-	71,271	56	-	44	430,809	177,698	-	253,111
1985	44,466	998	3.51	3.42	3.45	65.9	123,350	-	44,393	74	-	26	348,723	195,361	-	153,362
1986	27,929	1,024	3.26	3.49	3.45	82.8	120,508	-	28,587	81	-	19	298,887	202,607	-	96,280
1987	25,594	1,012	1.69	2.45	2.30	81.0	127,256	-	25,897	83	-	17	276,836	217,859	-	58,977
1988	27,588	1,012	1.75	2.13	2.03	73.2	138,894	12	27,909	83	0	17	283,322	227,411	42	55,869
Springfield City of (MO)																
1984	150	1,019	3.65	-	3.65	-	16,345	-	153	99	-	1	23,233	22,686	-	547
1985	137	1,016	3.00	-	3.00	-	11,244	-	139	99	-	1	15,039	14,628	-	411
1986	111	1,021	2.62	-	2.62	-	18,191	-	113	99	-	1	22,110	21,821	-	290
1987	153	1,007	3.05	-	3.05	-	15,983	-	154	99	-	1	19,308	18,842	-	465
1988	279	1,000	2.70	-	2.70	-	19,782	-	279	99	-	1	25,329	24,575	-	754
Springfield City of (IL)																
1984	-	-	-	-	-	-	16,144	-	-	100	-	-	30,318	30,318	-	-
1985	-	-	-	-	-	-	14,521	-	-	100	-	-	29,007	29,007	-	-
1986	-	-	-	-	-	-	16,294	-	-	100	-	-	26,782	26,782	-	-
1987	-	-	-	-	-	-	17,486	-	-	100	-	-	27,722	27,722	-	-
1988	-	-	-	-	-	-	18,546	-	-	100	-	-	30,099	30,099	-	-
St Joseph Light & Power Co																
1984	239	1,009	3.72	-	3.72	-	2,102	18	241	89	1	10	4,088	3,085	112	891
1985	191	985	2.95	-	2.95	-	2,702	41	188	92	1	6	4,679	3,927	187	564
1986	175	969	2.61	-	2.61	-	2,606	-	169	94	-	6	4,201	3,745	-	456
1987	320	980	2.78	-	2.78	-	2,708	255	313	83	8	10	5,197	3,713	595	890
1988	176	983	2.56	-	2.56	-	4,563	342	173	90	7	3	7,269	6,131	687	451
Sunflower Electric Coop Inc																
1984	141	830	3.94	2.08	2.35	85.4	15,131	-	117	99	-	1	23,109	22,779	-	330
1985	95	813	-	1.93	1.93	100.0	14,787	-	77	99	-	1	22,160	21,977	-	183
1986	64	760	-	1.39	1.39	100.0	13,223	-	49	100	-	0	19,309	19,220	-	89
1987	92	762	-	1.39	1.39	100.0	14,943	-	70	100	-	0	15,885	15,757	-	127
1988	113	762	-	1.39	1.39	100.0	16,694	-	86	99	-	1	16,554	16,398	-	156
Tallahassee City of																
1984	9,347	1,047	3.25	-	3.25	-	-	-	9,784	-	-	100	30,338	-	-	30,338
1985	10,853	1,046	3.24	-	3.24	-	-	180	11,353	-	2	98	35,865	-	651	35,213
1986	12,381	1,035	2.29	-	2.29	-	-	2,730	12,819	-	18	82	33,303	-	4,993	28,311
1987	11,685	1,037	2.80	-	2.80	-	-	428	12,113	-	3	97	34,012	-	1,238	32,774
1988	13,049	1,037	2.33	-	2.33	-	-	1,419	13,532	-	9	91	33,244	-	2,819	30,424
Tampa Electric Co																
1984	-	-	-	-	-	-	140,239	9,946	-	93	7	-	315,087	268,199	46,888	-
1985	-	-	-	-	-	-	139,991	3,900	-	97	3	-	286,419	268,914	17,504	-
1986	-	-	-	-	-	-	136,411	1,303	-	99	1	-	262,829	258,577	4,251	-
1987	-	-	-	-	-	-	170,437	1,083	-	99	1	-	313,100	308,875	4,225	-
1988	-	-	-	-	-	-	165,775	589	-	100	0	-	294,156	292,095	2,061	-

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Coal								Heavy Oil								Light Oil		
	Del Quan		Average Quality			Average Price in Dollars per Ton			Del Quan		Average Quality		Average Price in Dollars per Bbl				Del Quan	Btu per Gal	Av. Price $/Bbl
	1,000 Short Tons	% on Con tract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Con tract	Spot	Total	1,000 Bbls	% on Con tract	Btu per Gal	Sulf Wt Pct	Con tract	Spot	Total		1,000 Bbls		
Taunton City of																			
1984	-	-	-	-	-	-	-	-	435	100.0	150,488	2.0	30.07	-	30.07		-	-	-
1985	-	-	-	-	-	-	-	-	307	100.0	149,551	1.8	26.69	-	26.69		-	-	-
1986	-	-	-	-	-	-	-	-	199	100.0	150,313	1.6	16.84	-	16.84		-	-	-
1987	-	-	-	-	-	-	-	-	397	100.0	148,796	1.9	18.50	-	18.50		-	-	-
1988	-	-	-	-	-	-	-	-	319	100.0	148,907	1.8	14.82	-	14.82		-	-	-
Tennessee Valley Authority																			
1984	30,605	78.0	11,389	11.5	2.3	39.10	32.48	37.65	-	-	-	-	-	-	-		278	138,103	35.52
1985	28,655	80.8	11,667	11.4	2.3	37.00	30.93	35.84	-	-	-	-	-	-	-		232	137,795	34.34
1986	36,606	74.0	11,810	10.8	2.2	34.79	28.73	33.21	-	-	-	-	-	-	-		233	137,946	20.18
1987	35,639	69.4	11,775	11.2	2.4	32.95	29.25	31.82	-	-	-	-	-	-	-		218	138,122	23.35
1988	32,774	83.6	11,826	11.1	2.4	32.34	25.46	31.21	-	-	-	-	-	-	-		200	138,030	21.23
Texas Municipal Power Agency																			
1984	2,927	70.7	4,549	27.2	1.0	14.96	14.90	14.94	-	-	-	-	-	-	-		20	141,000	38.11
1985	2,955	100.0	4,633	26.3	1.0	13.92	-	13.92	-	-	-	-	-	-	-		19	141,000	30.75
1986	2,963	90.6	4,746	24.9	.9	14.62	14.38	14.60	-	-	-	-	-	-	-		5	141,000	17.60
1987	3,282	99.3	4,778	24.8	1.0	13.81	26.03	13.89	-	-	-	-	-	-	-		12	141,000	21.89
1988	3,445	98.0	4,747	25.0	1.1	13.17	23.49	13.37	-	-	-	-	-	-	-		5	141,000	21.22
Texas Utilities Electric Co																			
1984	32,010	100.0	6,479	15.1	.6	11.74	-	11.74	[2] 581	100.0	150,000	.3	35.38	-	35.38		931	138,503	34.78
1985	29,678	100.0	6,522	14.5	.6	12.47	-	12.47	[2] 251	88.8	148,000	.5	29.77	30.83	29.88		446	138,000	32.60
1986	30,408	100.0	6,476	14.6	.7	12.59	-	12.59	[2] 45	-	148,000	.5	-	29.88	29.88		161	138,000	25.12
1987	29,026	100.0	6,393	15.2	.7	13.54	-	13.54	[2] 8	-	143,294	.5	-	27.97	27.97		237	138,000	22.71
1988	29,726	100.0	6,526	15.0	.7	12.31	-	12.31	[2] 150	82.7	148,000	.5	22.99	29.72	24.15		186	138,000	20.11
Toledo Edison Co																			
1984	1,471	82.2	13,071	7.0	1.1	60.44	49.39	58.47	-	-	-	-	-	-	-		4	136,488	35.41
1985	1,673	75.2	13,039	6.6	1.2	57.15	43.23	53.70	-	-	-	-	-	-	-		4	137,207	34.35
1986	1,683	73.4	13,223	6.8	1.1	56.94	39.90	52.40	-	-	-	-	-	-	-		0	137,584	28.35
1987	1,522	80.6	13,227	6.6	1.2	55.23	39.38	52.16	-	-	-	-	-	-	-		2	138,100	23.68
1988	1,338	89.4	13,179	6.7	1.2	55.07	40.20	53.49	-	-	-	-	-	-	-		3	136,135	22.62
Tucson Electric Power Co																			
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
1987	225	100.0	10,151	11.4	.4	52.03	-	52.03	-	-	-	-	-	-	-		-	-	-
1988	348	100.0	10,300	11.7	.4	54.54	-	54.54	-	-	-	-	-	-	-		-	-	-
Union Electric Co																			
1984	12,350	87.4	11,118	9.1	1.9	33.53	35.39	33.76	264	100.0	152,750	1.8	28.24	-	28.24		104	[illegible]	34.80
1985	10,495	93.7	11,148	9.3	2.0	35.16	33.37	35.05	259	100.0	151,548	1.8	25.40	-	25.40		20	137,000	32.71
1986	9,705	98.0	11,199	9.3	2.0	36.75	30.81	36.63	227	100.0	150,558	1,8	14.66	-	14.66		33	137,000	19.59
1987	9,609	98.3	11,092	9.4	1.9	36.33	30.89	36.24	225	100.0	151,485	1.8	15.39	-	15.39		70	137,000	24.94
1988	10,586	99.3	10,791	8.9	1.7	34.37	27.58	34.32	187	100.0	153,535	1.8	11.95	-	11.95		68	137,000	20.27
United Illuminating Co																			
1984	110	100.0	13,136	6.7	.5	59.26	-	59.26	8,447	99.6	149,580	.9	30.65	30.87	30.65		6	137,590	36.74
1985	774	100.0	13,158	6.8	.5	61.81	-	61.81	5,386	87.2	150,496	.9	27.13	25.27	26.89		7	137,607	35.24
1986	817	100.0	13,172	6.8	.5	59.83	-	59.83	5,864	84.0	149,862	1.0	15.96	13.48	15.56		8	139,132	20.31
1987	770	100.0	13,134	6.7	.5	63.56	-	63.56	5,967	73.8	150,471	.9	18.32	17.88	18.21		7	138,862	23.55
1988	830	95.7	13,139	6.3	.5	60.64	47.53	60.07	6,454	82.8	150,639	1.0	14.65	13.95	14.53		10	138,046	21.46
United Power Assn																			
1984	953	100.0	6,841	9.5	.7	13.54	-	13.54	-	-	-	-	-	-	-		8	137,500	38.09
1985	1,112	100.0	6,826	9.6	.7	13.63	-	13.63	-	-	-	-	-	-	-		-	-	-
1986	1,127	100.0	6,726	9.1	.6	13.28	-	13.28	-	-	-	-	-	-	-		-	-	-
1987	1,044	100.0	6,697	9.9	.6	13.62	-	13.62	-	-	-	-	-	-	-		-	-	-
1988	1,120	100.0	6,698	9.4	.6	13.83	-	13.83	-	-	-	-	-	-	-		-	-	-

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interrupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Taunton City of																
1984	-	-	-	-	-	-	-	2,752	-	-	100	-	13,093	-	13,093	-
1985	-	-	-	-	-	-	-	1,928	-	-	100	-	8,192	-	8,192	-
1986	-	-	-	-	-	-	-	1,259	-	-	100	-	3,360	-	3,360	-
1987	165	1,031	2.93	-	2.93	-	-	2,482	170	-	94	6	7,834	-	7,349	485
1988	960	1,031	3.15	2.36	2.36	99.6	-	1,994	990	-	67	33	6,994	-	4,726	2,268
Tennessee Valley Authority																
1984	-	-	-	-	-	-	715,507	1,615	-	100	0	-	1,162,083	1,152,195	9,888	-
1985	-	-	-	-	-	-	668,639	1,340	-	100	0	-	1,034,907	1,026,957	7,949	-
1986	-	-	-	-	-	-	864,610	1,351	-	100	0	-	1,220,442	1,215,737	4,705	-
1987	-	-	-	-	-	-	839,313	1,267	-	100	0	-	1,139,032	1,133,934	5,098	-
1988	-	-	-	-	-	-	775,172	1,160	-	100	0	-	1,027,161	1,022,912	4,249	-
Texas Municipal Power Agency																
1984	-	-	-	-	-	-	26,631	119	-	100	0	-	44,494	43,730	764	-
1985	-	-	-	-	-	-	27,387	115	-	100	0	-	41,740	41,143	598	-
1986	-	-	-	-	-	-	28,126	28	-	100	0	-	43,337	43,254	83	-
1987	-	-	-	-	-	-	31,366	73	-	100	0	-	45,871	45,602	269	-
1988	-	-	-	-	-	-	32,707	28	-	100	0	-	46,174	46,072	102	-
Texas Utilities Electric Co																
1984	364,707	1,033	4.04	3.87	3.87	99.9	414,780	9,077	376,573	52	1	47	1,839,387	375,718	52,940	1,410,729
1985	402,540	1,040	3.64	3.54	3.54	100.0	389,726	4,144	418,569	48	1	52	1,819,896	372,678	22,032	1,425,187
1986	365,251	1,041	2.96	2.88	2.88	99.4	393,842	1,216	380,286	51	0	49	1,439,989	382,916	5,402	1,051,671
1987	359,910	1,044	2.87	2.67	2.67	100.0	371,114	1,428	375,756	50	0	50	1,359,704	392,974	5,632	961,098
1988	357,851	1,039	-	2.57	2.57	100.0	367,965	2,012	371,738	51	0	49	1,291,450	366,071	7,371	918,008
Toledo Edison Co																
1984	91	1,015	-	5.52	5.52	100.0	38,467	23	92	100	0	0	86,706	86,046	159	501
1985	94	1,010	-	5.26	5.26	100.0	43,619	23	95	100	0	0	90,457	89,826	137	493
1986	78	1,021	-	5.10	5.10	100.0	44,519	2	80	100	0	0	88,625	88,216	11	398
1987	31	1,028	-	4.87	4.87	100.0	40,277	10	32	100	0	0	79,609	79,415	43	151
1988	20	1,016	-	4.07	4.07	100.0	35,262	19	20	100	0	0	71,721	71,564	77	80
Tucson Electric Power Co																
1984	2,259	1,040	-	4.51	4.51	100.0	-	-	2,349	-	-	100	10,199	-	-	10,199
1985	4,383	1,042	-	4.24	4.24	100.0	-	-	4,566	-	-	100	18,590	-	-	18,590
1986	2,568	1,032	-	2.46	2.46	100.0	-	-	2,649	-	-	100	6,308	-	-	6,309
1987	3,186	1,032	-	2.36	2.36	100.0	4,572	-	3,287	58	-	42	19,232	11,718	-	7,514
1988	2,172	1,029	-	2.52	2.52	100.0	7,163	-	2,234	76	-	24	24,457	18,981	-	5,476
Union Electric Co																
1984	497	1,036	4.87	-	4.87	-	274,608	2,292	515	99	1	0	430,466	416,969	11,075	2,422
1985	341	1,040	4.56	-	4.56	-	234,002	1,764	355	99	1	0	376,630	367,843	7,233	1,554
1986	295	1,039	3.54	-	3.54	-	217,382	1,625	306	99	1	0	360,503	355,485	3,973	1,045
1987	574	1,030	3.39	-	3.39	-	213,167	1,834	591	99	1	0	355,359	348,207	5,208	1,944
1988	524	1,021	3.45	-	3.45	-	228,716	1,597	535	99	1	0	369,106	363,683	3,614	1,810
United Illuminating Co																
1984	-	-	-	-	-	-	2,890	53,104	-	5	95	-	265,644	6,519	259,125	-
1985	-	-	-	-	-	-	20,369	34,082	-	37	63	-	192,913	47,843	145,070	-
1986	99	1,039	2.33	-	2.33	-	21,523	36,957	103	37	63	0	140,542	48,882	91,429	231
1987	3,180	1,031	2.77	-	2.77	-	20,227	37,750	3,277	33	62	5	166,555	48,940	108,804	8,811
1988	48	1,030	2.58	-	2.58	-	21,610	40,888	47	35	65	0	143,966	49,860	93,987	119
United Power Assn																
1984	-	-	-	-	-	-	13,035	47	-	100	0	-	13,209	12,901	308	-
1985	-	-	-	-	-	-	15,176	-	-	100	-	-	15,149	15,149	-	-
1986	-	-	-	-	-	-	15,161	-	-	100	-	-	14,966	14,966	-	-
1987	-	-	-	-	-	-	13,990	-	-	100	-	-	14,222	14,222	-	-
1988	-	-	-	-	-	-	15,005	-	-	100	-	-	15,488	15,488	-	-

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Del Quan		Average Quality			Average Price in Dollars per Ton			Del Quan		Average Quality		Average Price in Dollars per Bbl			Del Quan	Btu per Gal	Av. Price $/Bbl
	1,000 Short Tons	% on Con tract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Con tract	Spot	Total	1,000 Bbls	% on Con tract	Btu per Gal	Sulf Wt Pct	Con tract	Spot	Total	1,000 Bbls		
Upper Peninsula Generating Co																		
1984	1,652	-	9,816	7.8	0.6	-	40.86	40.86	-	-	-	-	-	-	-	-	-	-
1985	1,270	-	11,417	7.9	.7	-	41.88	41.88	-	-	-	-	-	-	-	-	-	-
1986	761	-	12,669	9.2	.9	-	40.78	40.78	-	-	-	-	-	-	-	-	-	-
1987	1.425	-	9,981	7.3	.6	-	39.21	39.21	-	-	-	-	-	-	-	-	-	-
Utah Power & Light Co																		
1984	6,715	99.2	10,870	9.8	.6	28.07	35.06	28.13	-	-	-	-	-	-	-	61	140,000	35.88
1985	8,846	64.9	11,269	9.0	.6	29.70	31.02	30.16	-	-	-	-	-	-	-	68	140,000	33.82
1986	7,064	91.1	11,043	10.4	.6	28.99	33.48	29.39	-	-	-	-	-	-	-	44	140,000	20.35
1987	8,197	100.0	11,112	9.7	.5	24.65	-	24.65	-	-	-	-	-	-	-	45	140,000	24.57
1988	9,428	100.0	10,913	10.4	.6	22.67	-	22.67	-	-	-	-	-	-	-	38	140,000	23.36
Vero Beach City of																		
1984	-	-	-	-	-	-	-	-	[2] 3	100.0	146,000	0.7	34.27	-	34.27	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	138,000	30.66
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vineland City of																		
1984	108	100.0	12,870	9.3	1.1	53.28	-	53.28	103	100.0	150,013	1.8	29.90	-	29.90	16	137,847	38.78
1985	87	100.0	12,848	9.6	.9	52.43	-	52.43	51	100.0	150,080	1.6	27.40	-	27.40	7	139,451	36.81
1986	46	100.0	12,919	10.0	1.0	49.30	-	49.30	74	100.0	148,833	1.5	15.72	-	15.72	12	137,233	18.17
1987	77	100.0	12,618	8.4	.8	49.40	-	49.40	155	100.0	150,530	1.0	18.89	-	18.89	20	136,770	23.60
1988	64	100.0	12,959	8.6	.9	47.97	-	47.97	126	100.0	150,620	.9	16.29	-	16.29	20	135,758	20.01
Virginia Electric & Power Co																		
1984	9,715	45.7	12,303	12.2	1.4	42.26	39.84	40.94	2,546	100.0	150,194	1.1	29.14	-	29.14	293	140,000	35.04
1985	7,501	71.7	12,506	11.4	1.4	42.05	42.55	42.19	1,586	100.0	148,973	.8	27.32	-	27.32	292	140,000	33.27
1986	8,857	67.0	12,623	11.0	1.3	40.34	33.18	37.97	3,487	81.0	148,102	.8	12.98	13.05	12.99	267	140,000	20.37
1987	10,655	54.7	12,632	10.8	1.3	38.06	34.63	36.50	5,273	87.3	147,589	.8	19.08	18.36	18.99	311	140,000	22.85
1988	9,060	62.5	12,622	10.7	1.3	38.79	32.89	36.58	2,991	67.6	147,697	1.1	14.29	14.24	14.27	209	140,000	20.75
West Penn Power Co																		
1984	5,089	89.6	12,709	9.9	2.1	38.08	30.51	37.29	-	-	-	-	-	-	-	37	140,987	37.47
1985	4,741	92.3	12,609	10.8	2.2	37.11	27.56	36.37	-	-	-	-	-	-	-	33	141,000	35.88
1986	5,039	91.6	12,752	10.0	2.2	35.98	25.38	35.10	-	-	-	-	-	-	-	31	141,000	23.86
1987	5,412	91.5	12,646	10.5	2.3	35.46	24.26	34.51	-	-	-	-	-	-	-	22	141,000	24.72
1988	5,008	91.8	12,621	10.5	2.3	33.83	23.18	32.95	-	-	-	-	-	-	-	26	141,000	23.73
West Texas Utilities Co																		
1984	-	-	-	-	-	-	-	-	[2] 270	95.6	145,032	.5	34.77	35.53	34.81	17	141,000	38.84
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	719	100.0	8,269	4.9	.3	27.01	-	27.01	-	-	-	-	-	-	-	51	133,990	16.99
1987	1,856	100.0	8,278	5.1	.3	27.79	-	27.79	-	-	-	-	-	-	-	59	135,039	21.94
1988	2,053	88.3	8,377	5.0	.4	29.53	23.14	28.79	-	-	-	-	-	-	-	61	138,785	18.76
Western Farmers Elec Coop Inc																		
1984	938	100.0	8,282	6.0	.5	34.42	-	34.42	-	-	-	-	-	-	-	-	-	-
1985	1,063	100.0	8,332	5.6	.4	28.70	-	28.70	-	-	-	-	-	-	-	-	-	-
1986	697	100.0	8,304	5.8	.5	28.20	-	28.20	-	-	-	-	-	-	-	5	140,000	15.07
1987	950	94.2	8,626	5.9	.5	29.19	50.40	30.42	-	-	-	-	-	-	-	-	-	-
1988	1,684	100.0	8,818	5.3	.3	29.85	-	29.85	-	-	-	-	-	-	-	-	-	-
Western Massachusetts Elec Co																		
1984	-	-	-	-	-	-	-	-	659	100.0	150,369	1.4	30.41	-	30.41	15	137,342	35.97
1985	-	-	-	-	-	-	-	-	542	83.5	150,222	1.6	27.28	25.62	27.00	14	137,611	33.75
1986	-	-	-	-	-	-	-	-	926	100.0	150,371	1.7	16.41	-	16.41	16	137,960	20.24
1987	-	-	-	-	-	-	-	-	582	87.3	150,384	1.6	17.67	17.27	17.62	16	138,099	22.83
1988	-	-	-	-	-	-	-	-	1,047	87.8	150,192	1.3	15.07	15.70	15.15	18	138,063	19.91
Wisconsin Electric Power Co																		
1984	5,455	91.0	10,692	7.7	1.8	33.85	32.95	33.77	-	-	-	-	-	-	-	100	138,091	34.49
1985	5,733	90.2	10,402	6.8	1.4	34.32	25.94	33.50	-	-	-	-	-	-	-	171	138,520	31.83

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Upper Peninsula Generating Co																
1984	-	-	-	-	-	-	32,435	-	-	100	-	-	67,510	67,510	-	-
1985	-	-	-	-	-	-	28,999	-	-	100	-	-	53,191	53,191	-	-
1986	-	-	-	-	-	-	19,282	-	-	100	-	-	31,037	31,037	-	-
1987	-	-	-	-	-	-	28,445	-	-	100	-	-	55,870	55,870	-	-
Utah Power & Light Co																
1984	272	1,035	4.31	-	4.31	-	145,990	359	282	100	0	0	192,239	188,878	2,189	1,173
1985	254	1,058	4.50	-	4.50	-	199,372	400	269	100	0	0	270,252	266,810	2,300	1,142
1986	147	1,027	4.00	-	4.00	-	156,021	259	151	100	0	0	209,070	207,586	895	588
1987	95	1,022	3.44	-	3.44	-	182,177	265	97	100	0	0	203,521	202,089	1,106	326
1988	185	1,026	3.78	-	3.78	-	205,783	223	190	100	0	0	215,285	213,699	888	698
Vero Beach City of																
1984	2,394	1,056	3.26	-	3.26	-	-	19	2,528	-	1	99	7,908	-	105	7,803
1985	1,138	1,056	3.31	-	3.31	-	-	-	1,202	-	-	100	3,763	-	-	3,763
1986	936	1,056	2.26	-	2.26	-	-	10	988	-	1	99	2,174	-	55	2,119
1987	894	1,056	2.98	-	2.98	-	-	-	944	-	-	100	2,666	-	-	2,666
1988	1,683	1,056	2.52	2.50	2.52	9.7	-	-	1,777	-	-	100	4,234	-	-	4,234
Vineland City of																
1984	-	-	-	-	-	-	2,770	741	-	79	21	-	9,430	5,734	3,696	-
1985	-	-	-	-	-	-	2,230	365	-	86	14	-	6,219	4,550	1,668	-
1986	-	-	-	-	-	-	1,196	530	-	69	31	-	3,659	2,283	1,376	-
1987	-	-	-	-	-	-	1,938	1,098	-	64	36	-	7,206	3,794	3,412	-
1988	-	-	-	-	-	-	2,178	915	-	70	30	-	6,496	4,031	2,465	-
Virginia Electric & Power Co																
1984	[3]2,971	1,040	4.39	-	4.39	-	239,044	17,796	3,089	92	7	1	495,338	397,767	84,515	13,056
1985	[3]1,333	1,039	3.57	-	3.57	-	187,613	11,640	1,385	94	6	1	374,273	316,459	53,052	4,762
1986	[3]743	1,052	2.03	-	2.03	-	223,603	23,260	782	90	9	0	388,587	336,341	50,738	1,508
1987	[3]2,404	1,039	2.52	-	2.52	-	269,183	34,515	2,497	88	11	1	502,221	388,936	107,234	6,051
1988	[3]700	1,054	2.16	-	2.16	-	228,707	19,780	738	92	8	0	379,910	331,377	47,021	1,512
West Penn Power Co																
1984	54	1,000	4.53	-	4.53	-	129,346	221	54	100	0	0	191,421	189,776	1,401	244
1985	49	1,000	5.08	-	5.08	-	119,565	196	49	100	0	0	173,900	172,459	1,189	251
1986	72	1,000	5.04	-	5.04	-	128,499	183	72	100	0	0	177,930	176,831	738	361
1987	56	1,000	4.92	-	4.92	-	136,878	131	56	100	0	0	187,611	186,787	547	277
1988	52	1,000	4.47	-	4.47	-	126,424	156	52	100	0	0	165,907	165,051	624	232
West Texas Utilities Co																
1984	42,365	1,001	4.24	1.49	2.94	47.3	-	1,745	42,418	-	4	96	134,649	-	10,058	124,591
1985	35,945	1,007	3.76	1.45	2.59	50.6	-	-	36,209	-	-	100	93,068	-	-	93,068
1986	39,340	1,017	2.60	.82	1.98	35.1	11,891	287	39,994	23	1	77	98,041	19,418	866	77,757
1987	36,559	1,024	2.14	.41	1.54	34.4	30,729	332	37,452	45	0	55	109,335	51,583	1,283	56,468
1988	37,822	1,020	2.36	.27	1.71	31.0	34,397	355	38,587	47	0	53	124,958	59,100	1,141	64,717
Western Farmers Elec Coop Inc																
1984	3,738	1,024	2.92	2.75	2.82	59.7	15,545	-	3,828	80	-	20	42,834	32,301	-	10,533
1985	1,929	1,042	2.77	2.72	2.75	48.2	17,721	-	2,009	90	-	10	35,814	30,517	-	5,297
1986	2,715	1,047	1.56	2.09	1.81	47.1	11,569	31	2,842	80	0	20	24,641	19,640	80	4,921
1987	5,182	1,039	1.46	1.58	1.49	27.6	16,388	-	5,386	75	-	25	36,637	28,897	-	7,740
1988	3,221	1,049	1.47	1.96	1.57	21.2	29,690	-	3,378	90	-	10	55,320	50,251	-	5,069
Western Massachusetts Elec Co																
1984	3,490	1,027	4.31	-	4.31	-	-	4,252	3,583	-	54	46	35,627	-	20,601	15,026
1985	3,111	1,028	3.77	-	3.77	-	-	3,499	3,199	-	52	48	26,837	-	15,103	11,734
1986	830	1,027	2.03	-	2.03	-	-	5,937	852	-	87	13	17,192	-	15,506	1,687
1987	3,692	1,025	2.51	-	2.51	-	-	3,767	3,785	-	50	50	19,874	-	10,615	9,258
1988	1,311	1,037	2.13	-	2.13	-	-	6,708	1,359	-	83	17	19,004	-	16,216	2,787
Wisconsin Electric Power Co																
1984	-	-	-	-	-	-	116,658	581	-	100	0	-	187,689	184,236	3,452	-
1985	-	-	-	-	-	-	119,283	997	-	99	1	-	197,514	192,062	5,452	-

See footnotes at end of table.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Del Quan		Average Quality			Average Price in Dollars per Ton			Del Quan		Average Quality		Average Price in Dollars per Bbl			Del Quan	Btu per Gal	Av. Price $/Bbl
	1,000 Short Tons	% on Con tract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Con tract	Spot	Total	1,000 Bbls	% on Con tract	Btu per Gal	Sulf Wt Pct	Con tract	Spot	Total	1,000 Bbls		
Wisconsin Electric Power Co																		
1986	6,492	63.6	9,812	6.0	0.9	32.46	24.60	29.60	-	-	-	-	-	-	-	125	138,123	21.10
1987	6,668	84.6	9,771	6.2	.8	26.09	18.55	24.92	-	-	-	-	-	-	-	50	137,747	23.06
1988	3 919	98.0	9,906	6.2	.7	26.73	15.61	26.51	-	-	-	-	-	-	-	77	137,100	21.20
Wisconsin Power & Light Co																		
1984	[1] 5,551	84.6	9,449	8.2	1.5	32.07	32.90	32.20	-	-	-	-	-	-	-	-	-	-
1985	5,964	77.7	9,327	7.6	1.0	31.52	30.41	31.27	-	-	-	-	-	-	-	-	-	-
1986	6,024	66.0	9,309	6.9	.8	30.86	27.09	29.58	-	-	-	-	-	-	-	-	-	-
1987	5,784	83.5	9,307	7.0	.9	29.76	28.14	29.49	-	-	-	-	-	-	-	-	-	-
1988	5,684	87.6	9,438	7.0	.9	30.81	28.17	30.48	-	-	-	-	-	-	-	-	-	-
Wisconsin Public Service Corp																		
1984	1,925	98.7	10,093	6.3	1.0	41.41	54.13	41.57	-	-	-	-	-	-	-	30	138,000	33.74
1985	1,691	100.0	9,968	5.9	.9	39.61	-	39.61	-	-	-	-	-	-	-	31	138,000	31.38
1986	1,937	93.6	9,939	6.4	1.0	39.28	27.24	38.52	-	-	-	-	-	-	-	34	138,000	20.10
1987	1,957	89.6	9,713	6.7	1.0	38.51	27.93	37.40	-	-	-	-	-	-	-	26	138,000	22.55
1988	2,150	73.6	10,097	6.8	1.1	38.38	32.00	36.70	-	-	-	-	-	-	-	23	138,000	20.68
Wyandotte Municipal Serv Comm																		
1986	91	100.0	13,398	6.1	.7	51.55	-	51.55	-	-	-	-	-	-	-	-	-	-
1987	90	100.0	13,270	7.1	.7	48.31	-	48.31	-	-	-	-	-	-	-	-	-	-
1988	126	100.0	13,548	5.6	.7	51.48	-	51.48	-	-	-	-	-	-	-	-	-	-

[1] May contain Petroleum Coke, Wood Chips, Refuse or Coke Breeze

[2] May contain No. 4 Fuel Oil, No. 5 Fuel Oil, Crude Oil or Topped Crude

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Wisconsin Electric Power Co																
1986	-	-	-	-	-	-	127,410	725	-	99	1	-	194,824	192,189	2,635	-
1987	-	-	-	-	-	-	130,303	289	-	100	0	-	167,334	166,181	1,153	-
1988	-	-	-	-	-	-	176,704	445	-	100	0	-	238,055	236,416	1,639	-
Wisconsin Power & Light Co																
1984	88	980	4.12	-	4.12	-	104,902	-	86	100	-	0	179,116	178,752	-	363
1985	48	1,003	4.31	-	4.31	-	111,266	-	48	100	-	0	186,726	186,518	-	208
1986	25	1,004	3.90	-	3.90	-	112,157	-	25	100	-	0	178,284	178,188	-	96
1987	222	991	3.77	-	3.77	-	107,665	-	220	100	-	0	171,416	170,579	-	837
1988	142	1,004	3.46	-	3.46	-	107,290	-	143	100	-	0	173,748	173,256	-	492
Wisconsin Public Service Corp																
1984	68	1,010	4.06	-	4.06	-	38,863	174	69	99	0	0	81,326	80,033	1,015	278
1985	26	1,008	4.03	4.12	4.04	15.2	33,706	180	26	99	1	0	68,050	66,970	976	104
1986	53	1,003	3.48	-	3.48	-	38,504	198	54	99	1	0	75,476	74,605	685	186
1987	123	1,001	3.39	-	3.39	-	38,016	149	123	99	0	0	74,198	73,201	580	417
1988	290	1,006	3.48	-	3.48	-	43,416	133	291	99	0	1	80,380	78,897	476	1,007
Wyandotte Municipal Serv Comm																
1986	35	1,000	-	4.23	4.23	100.0	2,431	-	35	99	-	1	4,825	4,677	-	148
1987	257	1,000	-	3.73	3.73	100.0	2,390	-	257	90	-	10	5,310	4,351	-	959
1988	373	1,000	-	3.67	3.67	100.0	3,403	-	373	90	-	10	7,833	6,465	-	1,368

[3] May Contain Coke Oven Gas, Blast Furnace Gas or Refinery Gas

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988

Utility Year	Coal									Heavy Oil									Light Oil		
	Delivered Quantity		Average Quality			Average Price dollars per ton			Delivered Quantity		Average Quality		Average Price in Dollars per Bbl			Delivered Quantity	Btu per Gal	av. price $ Bbl
	1,000 Short Tons	% on Contr	Btu per Lb	Ash wt pct	Sulf wt pct	Contr	Spot	Total	1,000 Bbls	% on Contr	Btu per Gal	Sulf wt pct	Contr	Spot	Total	1,000 Bbls		
1984	684,446	85.5	10,554	10.4	1.5	35.06	35.49	35.12	193,832	92.0	149,677	1.1	30.32	29.45	30.25	8,540	138,427	35.51
1985	667,044	88.8	10,482	10.0	1.4	34.63	33.74	34.53	156,410	88.3	149,948	1.1	26.94	25.07	26.73	8,537	138,540	33.65
1986	687,323	87.5	10,545	10.0	1.4	33.51	31.80	33.29	220,585	75.2	149,821	1.1	15.43	14.14	15.11	7,936	138,664	20.62
1987	721,597	84.6	10,570	10.0	1.4	32.01	30.86	31.83	187,300	79.2	151,155	1.0	19.04	18.32	18.89	7,278	138,754	23.34
1988	726,163	86.2	10,453	9.9	1.3	30.86	29.30	30.64	230,234	71.4	149,948	.9	15.22	14.95	15.15	6,690	138,566	21.61

[1] May contain Petroleum Coke, Wood Chips, Refuse or Coke Breeze

[2] May contain No. 4 Fuel Oil, No. 5 Fuel Oil, Crude Oil or Topped Crude

Notes: • Data for 1984 through 1987 have been revised to reflect the elimination of data for gas turbine units. • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 52. Profile of Fossil-Fuel Receipts, 1984-1988

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount in 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			in $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
1984	2,878,808	1,035	4.65	3.18	3.73	62.9	14,446,920	1,274,904	2,976,806	77	7	16	40,976,182	24,041,081	6,201,696	10,733,405
1985	2,808,921	1,038	4.11	3.20	3.58	59.0	13,983,349	1,038,221	2,915,817	78	6	16	37,559,091	23,035,894	4,480,800	10,042,397
1986	2,387,622	1,034	2.47	2.41	2.43	61.2	14,495,750	1,434,246	2,468,918	79	8	13	32,185,811	22,884,360	3,435,877	5,805,574
1987	2,605,191	1,032	2.32	2.30	2.31	51.5	15,254,844	1,231,490	2,687,832	80	6	14	32,696,540	22,968,495	3,708,480	6,019,566
1988	2,362,721	1,028	2.47	2.22	2.33	56.1	15,222,392	1,488,899	2,429,551	80	8	13	31,442,360	22,311,887	3,631,493	5,498,980

[1] May Contain Coke Oven Gas, Blast Furnace Gas or Refinery Gas

Notes: • Data for 1984 through 1987 have been revised to reflect the elimination of data for gas turbine units. • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 megawatts or larger.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Appendix A

Technical Notes

Appendix A

Technical Notes

Sources of Data

Statistics published in the *Cost and Quality of Fuels for Electric Utility Plants - Annual*are based on data collected on the FERC Form 423 - "Monthly Report of Cost and Quality of Fuels for Electric Plants." A brief summary, which includes the history of this form and information collected, is presented below.

Summary Statement of the FERC Form 423 Primary Purpose

The Federal Energy Regulatory Commission (FERC) Form 423 is a monthly record of delivered-fuel purchases, submitted by approximately 225 electric utilities for each fossil-fuel plant with a total generator nameplate capacity of 50 megawatts or larger.

Instrument and Design History

On July 7, 1972, the Federal Power Commission (FPC) issued Order Number 453 enacting the New Code of Federal Regulations, Section 141.61, legally creating the Form 423. Originally, the form collected data only on fossil-steam plants, but was amended in 1974 to include data on internal combustion and combustion turbine units. The FERC Form 423 replaced the FPC Form 423 in January 1983. The FERC Form 423 eliminated peaking units, which were previously collected on the FPC Form 423. In addition, the generator nameplate capacity threshold was changed from 25 megawatts to 50 megawatts. This reduction in coverage eliminated approximately 50 utilities and 250 plants.

Data Processing

The Office of Coal, Nuclear, Electric and Alternate Fuels (CNEAF) is responsible for routine data improvement and quality assurance activities. All operations of this office are done in accordance with formal standards established by the Energy Information Administration (EIA). These standards are the measuring rod necessary for quality statistics. Data improvement efforts include verification of data-keyed input by automatic computerized methods, editing by subject matter specialists, and follow-up on nonrespondents. Completed forms received by the CNEAF are sorted, screened for completeness of reported information, and keyed onto computer tapes for storage and transfer to data bases on random access storage devices for computer processing. The information coded on the computer tapes is spot checked against the forms manually to certify accuracy of the tapes. To insure the quality standards established by EIA, algorithms have been designed and implemented using the past history of data values in the data base to check data input for errors automatically. This automatically reduces the possibility of erroneous entries in the data bases over time as the parameters of the algorithm are updated to reflect new data. Data values rejected by the algorithm are checked with respondents by telephone to correct the problems. Computerized respondent data files are checked to identify those who fail to respond to the survey. By law, nonrespondents may be fined or otherwise penalized for not filing an EIA data form as prescribed in the instructions. Before invoking the law, EIA tries to obtain the required information by encouraging cooperation of nonrespondents.

The CNEAF supports the quality assurance efforts of the data collectors by providing advisory reviews of the structure of information requirements, and of proposed designs for new and revised data collection forms and systems. It also validates the actual performance of working data collection systems, once fielded.

A 6-month supply of forms is mailed to respondents using a computerized mailing address file. Completed forms are due on or before the 45th day following the end of the reporting month. Completed forms are manually logged in and edited before the data are keypunched for automatic data processing. The electric utility companies are telephoned to obtain data in cases of missing reports and to verify data when questions arise during editing.

An edit program checks the data for errors not found during manual editing. Following verification of the data, computer printouts of aggregated data are produced for inclusion in the publication. After the *Electric Power Monthly (EPM)*(2) is cleared by EIA, the data become available for public use in either custom computer runs, data tapes, or in the publications themselves on a cost-recovery basis. New plants are added to the FERC Form 423 System when respondents indicate the addition of a new plant.

Presentation

Data from the FERC Form 423 are summarized in this publication, as well as the *EPM*(2), the *Electric Power Annual*(1), the *Monthly Energy Review*(4). These reports present aggregated data on electric utilities at the U.S., Census division, and State level.

Information Collected

The data items supplied each month by all electric utilities for each plant are:

Plant type: fossil-fired steam turbine.

Purchase type (Spot): shipments under purchase orders or contracts of less than one year duration.

Fuel type (Coal): anthracite, bituminous coal, subbituminous coal, lignite, petroleum coke.

Fuel type (Petroleum): fuel oil Nos. 2, 4, 5, 6, crude, topped crude, kerosene, jet fuel, liquified petroleum gas.

Fuel type (Gas): natural gas, synthetic natural gas, liquefied natural gas, refinery gas, blast-furnace gas, coke-oven gas.

Fuel type (Other Fuels): methanol, or as specified by footnote.

Coal mines (Type): surface mined or underground mined.

Coal mines (Location): County, State, and Bureau of Mines (BOM) coal producing district.

Source (Coal): name of mine or broker from which coal originated or was purchased.

Source (Petroleum): supplier, refinery or port of entry.

Source (Gas): pipeline (supplier) or distributor, and if applicable, port of entry.

Receipts: fossil-fuel deliveries.

Receipts (Heat Content): average heat content.

Receipts (Sulfur Content): percentage by weight.

Receipts (Ash Content): percentage by weight.

Receipts (Cost): cents per million Btu.

Confidentiality of the Data

The data collected on the forms used for input to this report are not confidential.

Data Editing System

Automated systems are used to edit data from the survey on a monthly basis. The edit includes both deterministic checks, in which records are checked for the presence of required fields and their validity, and statistical checks, in which estimation techniques are used to validate data according to its behavior in the past and in comparison to other current fields. When all data have passed the edit process, the system builds monthly master files. These master files are used as input to this report.

Formulas

Data from the FERC Form 423 are submitted at the plant level. These data are then used in the following formulas to produce aggregates and averages for each fuel type at the State, Census Division, and U.S. levels.

For these formulas, let Σ represent the summation of all plants in a geographic region. Costs for each fuel type are reported in cents per million Btu. Additionally,

- For coal, "Receipts" are reported in tons, and "Average Heat Content" units are Btu per pound; U = 2,000 pounds per ton;
- For petroleum, "Receipts" are reported in barrels, and "Average Heat Content" units are Btu per gallon; U = 42 gallons per barrel;
- For gas, "Receipts" are reported in Mcf, and "Average Heat Content" units are Btu per cf; U = 1,000 cf/Mcf.

Total Btu

$$\text{Total Btu} = \sum_i (R_i \times A_i \times U)$$

Where:

i denotes a plant
R_i = receipts for plant i
A_i = average heat content for receipts, plant i
U = unit conversion

Weighted Average Btu

$$\text{Weighted Average Btu} = \frac{\sum_i (R_i \times A_i)}{\sum_i R_i}$$

Where:

i denotes a plant
R_i = receipts for plant i
A_i = average heat content for receipts, plant i

Weighted Average Costs (Cents per Million Btu)

$$\text{Weighted Average Cost} = \frac{\sum_i (R_i \times A_i \times C_i)}{\sum_i (R_i \times A_i)}$$

Where:

i denotes a plant
R_i = receipts for plant i
A_i = average heat content for receipts, plant i
C_i = fuel cost in cents per million Btu, plant i

Weighted Average Cost (Dollars per Unit*)

$$\text{Weighted Average Cost} = \frac{U \sum_i (R_i \times A_i \times C_i)}{(10^8 \frac{cents}{dollar}) \sum_i R_i}$$

Where:

i denotes a plant
R_i = receipts for plant i
A_i = average heat content for receipts, plant i
U = unit conversion
C_i = fuel cost in cents per million Btu, plant i

* "Unit" = short ton for coal, barrel for petroleum, and thousand cubic feet for gas.

Rounding Rules for Data

Given an n digit number with r digits to the left of the decimal and d+t digits in the fractional part, with d being the place to which the number is to be rounded and t being the remaining digits which will be truncated, this number is rounded to r+d digits by adding 5 to the (r+d+1)th digit when the number is positive or by subtracting 5 when the number is negative. The t digits are then truncated at the (r+d+1)th digit. The symbol for a rounded number truncated to zero is *.

Data Correction Procedure

The CNEAF office has adopted the following policy with respect to the revision and correction of data published in Energy Data Reports and made available in a machine format:

1. All data collected by this office (excluding secondary source data) will be published as preliminary data when first appearing in an energy data report.
2. The next publication of the data will be in final form at which point the data base is closed.
3. Revisions or corrections will be made only in the event a substantial (greater than 1 percent) reporting change is received or a substantial (greater than 1 percent) error is discovered.
4. Revisions or corrections to published secondary source data will be made if and when the organization from which the data were received revises or corrects the data.
5. No revisions will be made without the approval of the Director, Electric Power Division.

Use of the Glossary

The terms in the glossary have been defined for general use. Restrictions on the definitions as used in these data collection systems are included in each definition when necessary to define the terms as they are used in this report.

Obtaining Copies of Data

Upon EIA approval of the *Electric Power Monthly*(2), the data become available for public use on a cost-recovery basis. Computer listings are obtained by submitting a written request to:

Energy Information Administration, EI-541
Electric Power Division
Forrestal Building, Room 2F-049
Washington, DC 20585

These data are also available monthly on machine-readable tapes. Tapes may be purchased by using Visa, Master Card, or American Express cards as well as money orders or checks payable to the National Technical Information Service (NTIS). Purchasers may also use NTIS and GPO depository accounts. To place an order, contact:

National Technical Information Service (NTIS)

Office of Data Base Services
U.S. Department of Commerce
5285 Port Royal Road
Springfield, Virginia 22161
(703) 487-4650

Coal Producing Districts

District 1. Maryland--All mines in the State.

Pennsylvania--All mines in the following counties: Bedford, Blair, Bradford, Cambria, Cameron, Centre, Clarion, Clearfield, Clinton, Elk, Forest, Fulton, Huntingdon, Jefferson, Lycoming, McKean, Mifflin, Potter, Somerset, and Tioga. Selected mines in the following counties: Armstrong County (part), all mines east of the Allegheny River, and those mines served by the Pittsburgh & Shawmut Railroad located on the west bank of the river; Fayette County (part), all mines located on and east of the line of Indian Creek Valley branch of the Baltimore & Ohio Railroad; Indiana County (part), all mines not served by the Saltsburg branch of the Consolidated Rail Corporation; and Westmoreland County (part), all mines served by the Consolidated Rail Corporation from Torrance, east.

West Virginia--All mines in the following counties: Grant, Mineral, and Tucker.

District 2. Pennsylvania--All mines in the following counties: Allegheny, Beaver, Butler, Green, Lawrence, Mercer, Venango, and Washington. Selected mines in the following counties: Armstrong County (part), all mines west of the Allegheny River except those mines served by the Pittsburgh & Shawmut Railroad; Fayette County (part), all mines except those on and east of the line of Indian Creek Valley branch of the Baltimore & Ohio Railroad; Indiana County (part), all mines served by the Saltsburg branch of the Consolidated Rail Corporation; and Westmoreland County (part), all mines except those served by the Consolidated Rail Corporation from Torrance, east.

District 3. West Virginia--All mines in the following counties: Barbour, Braxton, Calhoun, Doddridge, Gilmer, Harrison, Jackson, Lewis, Marion, Monongalia, Pleasants, Preston, Randolph, Ritchie, Roane, Taylor, Tyler, Upshur, Webster, Wetzel, Wirt, and Wood. Selected mines in the following county: Nicholas County (part), all mines served by or north of the Baltimore & Ohio Railroad.

District 4. Ohio--All mines in the State.

District 5. Michigan--All mines in the State.

District 6. West Virginia--All mines in the following counties: Brooke, Hancock, Marshall, and Ohio.

District 7. Virginia--All mines in the following counties: Craig, Giles, Montgomery, Pulaski, and Wythe. Selected mines in the following counties: Buchanan County (part), all mines in that portion of the county served by the Richlands-Jewell Ridge branch of the Norfolk & Western Railroad and in that portion on the headwaters of Dismal Creek east of Lynn Camp Creek (a tributary of Dismal Creek); and Tazewell County (part), all mines in those portions of the county served by the Dry Fork branch to Cedar Bluff and from Bluestone Junction to Boissevain branch of the Norfolk & Western Railroad and Richlands-Jewell Ridge branch of the Norfolk & Western Railroad.

West Virginia--All mines in the following counties: Greenbrier, Mercer, Monroe, Pocahontas, and Summers. Selected mines in the following counties: Fayette County (part), all mines east of Gauley River and all mines served by the Gauley River branch of the Chesapeake & Ohio Railroad and mines served by the Norfolk & Western Railroad; McDowell County (part), all mines in that portion of the county served by the Dry Fork branch of the Norfolk & Western Railroad and east thereof; Raleigh County (part), all mines except those on the Coal River branch of the Chesapeake & Ohio Railroad and north thereof; and Wyoming County (part), all mines in that portion served by the Guyandot branch of the Norfolk & Western Railroad lying east of the mouth of Skin Fork of Guyandot River and in that portion served by the Virginia division main line of the Norfolk & Western Railroad.

District 8. Kentucky--All mines in the following counties in eastern Kentucky: Bell, Boyd, Breathitt, Carter, Clay, Elliott, Estill, Floyd, Greenup, Harlan, Jackson, Johnson, Knott, Knox, Laurel, Lawrence, Lee, Leslie, Letcher, McCreary, Magoffin, Martin, Morgan, Owsley, Perry, Pike, Pulaski, Rockcastle, Wayne, Whitley, and Wolfe.

North Carolina--All mines in the State.

Tennessee--All mines in the following counties: Anderson, Campbell, Claiborne, Cumberland, Fentress, Morgan, Overton, Roane, and Scott.

Virginia--All mines in the following counties: Dickinson, Lee, Russell, Scott, and Wise. Selected mines in the following counties: Buchanan County (part), all mines in the county, except in that portion on the headwaters of Dismal Creek, east of Lynn Camp Creek (a tributary of Dismal Creek) and in that portion served by the Richlands-Jewell Ridge branch of the Norfolk & Western Railroad; and Tazewell County (part), all mines in the county except in those portions served by the Dry Fork branch of the Norfolk & Western Railroad and branch from Bluestone Junction to Boissevain of Norfolk & Western Railroad and Richlands-Jewell Ridge branch of the Norfolk & Western Railroad.

West Virginia--All mines in the following counties: Boone, Cabell, Clay, Kanawha, Lincoln, Logan, Mason, Mingo, Putnam, and Wayne. Selected mines in the following counties: Fayette County (part), all mines west of the Gauley River except mines served by the Gauley River branch of the Chesapeake & Ohio Railroad; McDowell County (part), all mines west of and not served by the Dry Fork branch of the Norfolk & Western Railroad; Nicholas County (part), all mines in that part of the county south of and not served by the Baltimore & Ohio Railroad; Raleigh County (part), all mines on the Coal River branch of the Chesapeake & Ohio Railroad and north thereof; and Wyoming County (part), all mines in that portion served by the Guyandot branch of the Norfolk & Western Railroad and lying west of the mouth of Skin Fork of Guyandot River.

District 9. Kentucky--All mines in the following counties in western Kentucky: Butler, Caldwell, Christian, Crittenden, Daviess, Grayson, Hancock, Henderson, Hopkins, Logan, McLean, Muhlenberg, Ohio, Simpson, Todd, Union, Warren, and Webster.

District 10. Illinois--All mines in the State.

District 11. Indiana--All mines in the State.

District 12. Iowa--All mines in the State.

District 13. Alabama--All mines in the State.

Georgia--All mines in the State.

Tennessee--All mines in the following counties: Bledsoe, Grundy, Hamilton, Marion, McMinn, Rhea, Sequatchie, Van Buren, Warren, and White.

District 14. Arkansas--All mines in the State.

Oklahoma--All mines in the following counties: Haskell, Le Flore, and Sequoyah.

District 15. Kansas--All mines in the State.

Missouri--All mines in the State.

Oklahoma--All mines in the following counties: Coal, Craig, Latimer, McIntosh, Muskogee, Okmulgee, Pittsburg, Rogers, Tulsa, and Wagoner.

Texas--All mines in the State.

District 16. Colorado--All mines in the following counties: Adams, Arapahoe, Boulder, Douglas, Elbert, El Paso, Jackson, Jefferson, Larimer, and Weld.

District 17. Colorado--All mines except those included in District 16.

New Mexico--All mines except those included in District 18.

District 18. Arizona--All mines in the State.

California--All mines in the State.

New Mexico--All mines in the following counties: Grant, Lincoln, McKinley, Rio Arriba, Sandoval, San Juan, San Miguel, Santa Fe, and Socorro.

District 19. Idaho--All mines in the State.

Wyoming--All mines in the State.

District 20. Utah--All mines in the State.

District 21. North Dakota--All mines in the State.

South Dakota--All mines in the State.

District 22. Montana--All mines in the State.

District 23. Alaska--All mines in the State.

Oregon--All mines in the State.

Washington--All mines in the State.

District 24. (Pennsylvania Anthracite). Pennsylvania--All mines in the following counties: Carbon, Columbia, Dauphin, Lackawanna, Lebanon, Luzerne, Northumberland, Schuylkill, Sullivan, and Susquehanna. All anthracite mines in Bradford County.

State-by-State listing of Electric Utilities Reporting on FERC Form 423

STATE
Utility (Holding Company)

ALABAMA
Alabama Electric Coop Inc
Alabama Power Co
Tennessee Valley Authority

ARIZONA
Alamito Co
Arizona Electric Pwr Coop Inc
Arizona Public Service Co
Salt River Proj Ag I & P Dist
Tucson Electric Power Co

ARKANSAS
Arkansas Electric Coop Corp

Arkansas Power & Light Co (MSU)
Southwestern Electric Power Co (CSW)

CALIFORNIA
Burbank City of
Glendale City of
Imperial Irrigation District
Pacific Gas & Electric Company
Pasadena City of
San Diego Gas & Electric Co
Southern California Edison Co
Los Angeles City of

COLORADO
Colorado Springs City of
Colorado-Ute Electric Assn Inc.
Platte River Power Authority
Public Service Co of Colorado

CONNECTICUT
Connecticut Light & Power Co
Hartford Electric Light Co
United Illuminating Co

DELAWARE
Delmarva Power & Light Co
Dover City of

DISTRICT OF COLUMBIA
Potomac Electric Power Co

FLORIDA
Florida Power & Light Co
Florida Power Corp
City of Fort Pierre
Gainesville City of
Gulf Power Co
Jacksonville Electric Auth
Lake Worth City of
Lakeland City of
Orlando Utilities Comm
Seminole Electric Coop Inc.
Tallahassee City of
Tampa Electric Co
Vero Beach City of

GEORGIA
Georgia Power Co (SC)
Savannah Electric & Power Co

HAWAII
Hawaiian Electric Co Inc.

ILLINOIS
Central Illinois Light Co
Central Illinois Pub Serv Coy
Commonwealth Edison Co
Electric Energy Inc.
Illinois Power Co
Iowa-Illinois Gas&Electric Co
Southern Illinois Power Coop
Southern Indiana Gas & Elec Co
Springfield City of
Union Electric Co

INDIANA
Commonwealth Edison Co IN Inc.
Hoosier Energy R E C Inc.
Indiana & Michigan Electric Co (AEP)
Indiana-Kentucky Electric Corp
Indianapolis Power & Light Co
Northern Indiana Pub Serv Co
Public Service Co IN Inc
Richmond City of
Southern Indiana Gas & Electric Co

IOWA
Ames City of
Cedar Falls City of
Central Iowa Power Coop
Interstate Power Co
Iowa Electric Light & Power Co
Iowa Power & Light Co
Iowa Public Service Co
Iowa Southern Utilities Co
Iowa-Illinois Gas & Electric Co
Muscatine City of

KANSAS
Central Kansas Power Co
Centel Corp
Coffeyville City of
Empire District Electric Co
Kansas City City of
Kansas City Power & Light Co
Kansas Gas & Electric Co
Kansas Power & Light Co
Sunflower Electric Coop Inc.

KENTUCKY
Big Rivers Electric Corp
Cincinnati Gas & Electric Co
East Kentucky Power Coop
Kentucky Power Co (AEP)
Kentucky Utilities Co
Louisville Gas & Electric Co
Owensboro City of
Tennessee Valley Authority

LOUISIANA
Alexandria City of
Cajun Electric Power Coop Inc
Central Louisiana Elec Co Inc
Gulf States Utilities Co

Lafayette City of
Louisiana Power & Light Co (MSU)
New Orleans Public Service Inc (MSU)
Ruston City of
Southwestern Electric Power Co (CSW)

MAINE
Bangor Hydro-Electric Co
Central Maine Power Co

MARYLAND
Baltimore Gas & Electric Co
Delmarva Power & Light Co Inc
Potomac Edison Co (APS)
Potomac Electric Power Co

MASSACHUSETTS
Boston Edison Co
Cambridge Electric Light Co (NEGA)
Canal Electric Co
Commonwealth Electric Co (NEGA)
Holyoke Water Power Co (NU)
Montaup Electric Co
New England Power Co (NEES)
Taunton City of
Western Massachusetts Elec Co (NU)

MICHIGAN
Consumers Power Co
Detroit Edison Co
Detroit City of
Grand Haven City of
Holland City of
Lansing City of
Marquette City of
Michigan South Central Pwr Agy
Wyandotte Municipal Serv Comm

MINNESOTA
Interstate Power Co
Minnesota Power & Light Co
Northern States Power Co
Otter Tail Power Co
Rochester City of
Rochester Gas & Electric Corp

MISSISSIPPI
Mississippi Power Co (SC)
Mississippi Power & Light Co (MSU)
South Mississippi Electric Power Association

MISSOURI
Associated Electric Coop Inc
Central Electric Pwr Coop-MO
Columbia City of
Empire District Electric Co
Independence City of
Kansas City Power & Light Co
Missouri Public Service Comm
Sikeston City of
Springfield City of
St Joseph Light & Power Co
Union Electric Co

MONTANA
Montana Power Co
Montana-Dakota Utilities Co

NEBRASKA
Central Nebraska Pub P&I Dist
Fremont City of
Grand Island City of
Hastings City of
Nebraska Public Power District
Omaha Public Power District

NEVADA
Nevada Power Co
Sierra Pacific Power Co
Southern California Edison Co

NEW HAMPSHIRE
Public Service Co of NH

NEW JERSEY
Atlantic City Electric Co
Consolidated Edison Co-NY Inc
Deepwater Operating Co (ACE)
Jersey Central Power&Light Co (GPS)
Public Service Electric&Gas Co
Vineland City of

NEW MEXICO
Arizona Public Service Co
Community Public Service Co
New Mexico Electric Service
Plains Elec Gen&Trans Coop Inc
Public Service Co of NM
Southwestern Public Service Co

NEW YORK
Central Hudson Gas & Elec Corp
Consolidated Edison Co-NY
Jamestown City of
Long Island Lighting Co
New York State Elec & Gas Corp
Niagara Mohawk Power Corp
Orange and Rockland Utils Inc
Power Authority of State of NY
Rochester City of

NORTH CAROLINA
Carolina Power & Light Co
Duke Power Co

NORTH DAKOTA
Basin Electric Power Coop
Coop Power Assn
Minnkota Power Coop Inc
Montana-Dakota Utilities Co
United Power Assn

OHIO
Cardinal Operating Co (AEP)
Cincinnati Gas & Electric Co
Cleveland Electric Illum Co
Columbus and Southern Ohio El Co
Columbus City of
Dayton Power & Light Co
Hamilton City of
Ohio Edison Co
Ohio Power Co (AEP)
Ohio Valley Electric Corp
Painesville City of
Toledo Edison Co

OKLAHOMA
Grand River Dam Authority
Oklahoma Gas & Electric Co
Public Service Co of Oklahoma (CSW)
Western Farmers Elec Coop Inc
West Texas Utilities Co

OREGON
Portland General Electric Co

PENNSYLVANIA
Duquesne Light Co
Metropolitan Edison Co (GPS)
Pennsylvania Electric Co (GPS)
Pennsylvania Power & Light Co
Pennsylvania Power Company
Philadelphia Electric Company
West Penn Power Co (APS)

RHODE ISLAND
New England Power Co (NEES)

SOUTH CAROLINA
Carolina Power & Light Co
Duke Power Co
South Carolina Electric&Gas Co
South Carolina Pub Serv Auth

SOUTH DAKOTA
Otter Tail Power Co

TENNESSEE
Tennessee Valley Authority

TEXAS
Austin City of
Brazos Electric Power Coop Inc
Bryan City of
Central Power & Light Co (CSW)
Denton City of
El Paso Electric Co
Garland City of
Greenville City of
Gulf States Utilities Co
Houston Lighting & Power Co
Lower Colorado River Authority
Lubbock City of
Medina Electric Coop Inc
San Antonio City of
San Miguel Electric Coop Inc
Southwestern Electric Power Company (CSW)
Southwestern Public Service Co
Texas Municipal Power Agency
Texas Utilities Electric Co
West Texas Utilities Co (CSW)

UTAH
Utah Power & Light Co
Los Angeles City of
Deseret Generation and Tran Coop

VIRGINIA
Appalachian Power Co (AEP)
Potomac Electric Power Co
Virginia Electric & Power Co

WASHINGTON
Pacific Power & Light Co

WEST VIRGINIA
Appalachian Power Co (AEP)
Central Operating Co (AEP)
Monongahela Power Co (APS)
Ohio Power Co(AEP)
Virginia Electric & Power Co

WISCONSIN
Dairyland Power Coop
Madison Gas & Electric Co
Manitowoc City of
Wisconsin Electric Power Co
Wisconsin Power & Light Co
Wisconsin Public Service Corp

WYOMING
Basin Electric Power Coop
Pacific Power & Light Co
Utah Power & Light Co

Appendix B

References

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References

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Glossary

Anthracite: Anthracite, or hard coal, is the highest rank of economically useable coal. It is jet black with a high luster. The moisture content generally is less than 15 percent. Anthracite contains approximately 22 to 28 million Btu per ton as received and averages about 25 million Btu per ton. Its ignition temperature is approximately 925 to 970 degrees Fahrenheit. Virtually all of the anthracite mined is from northeastern Pennsylvania. It is used mostly for space heating and generating electricity.

Bbl: The abbreviation for barrel. (See Barrel.)

Bcf: The abbreviation for one billion cubic feet.

Barrel: A volumetric unit of measure for crude oil and petroleum products equivalent to 42 U.S. gallons.

Bituminous Coal: Bituminous coal, or soft coal, is the most common coal. It is dense, black, often with well-defined bands of bright and dull material. Its moisture content usually is less than 20 percent. The heating value ranges from 19 to 30 million Btu per ton as received and averages about 24 million Btu per ton. The ignition temperature ranges from about 700 to almost 900 degrees Fahrenheit. Bituminous coal is mined chiefly in the Appalachian and Interior coal fields. It is used for generating electricity, making coke, and space heating.

Btu (British Thermal Unit): A standard unit for measuring the quantity of heat energy equal to the quantity of heat required to raise the temperature of 1 pound of water by 1 degree Fahrenheit.

Btu Content of Fuel (Average): The average heat value per unit quantity of fuel expressed in Btu as determined from tests of fuel samples or defined by contract specifications. (Example: Btu per pound of coal, Btu per gallon of oil, and Btu per cubic foot of gas.)

Capacity: The amount of electric power delivered or required for which a generator, turbine, transformer, transmission circuit, station, or system is rated by the manufacturer. (See Generator Nameplate Capacity.)

Census Divisions: The nine geographic divisions of the United States established by the Bureau of the Census, U.S. Department of Commerce for statistical analysis. The boundaries of Census divisions coincide with State boundaries. In some cases, the Pacific Division is subdivided into the Pacific Contiguous and Pacific Noncontiguous areas.

Coal: A black or brownish-black solid combustible substance formed by the partial decomposition of vegetable matter without access to air. The rank of coal, which includes anthracite, bituminous coal, subbituminous coal, and lignite, is based on fixed carbon, volatile matter, and heating value. Coal rank indicates the progressive alteration from lignite to anthracite. Lignite contains approximately 9 to 17 million Btu per ton. The contents of subbituminous and bituminous coal range from 16 to 24 million Btu per ton and from 19 to 30 million Btu per ton, respectively. Anthracite contains approximately 22 to 28 million Btu per ton.

Code of Federal Regulations: A compilation of the general and permanent rules of the executive departments and agencies of the Federal Government as published in the Federal Register. The Code is divided into 50 titles which represent broad areas subject to Federal regulation. Title 18 contains the FERC's regulations.

Consumption (Fuel): The amount of fuel used for gross generation, providing standby service and start-up and/or flame stabilization. (See Fuel.)

Contract Cost: Price of fuels marketed on a contract basis covering a period of 1 or more years. Contract prices reflect market conditions at the time the contract was negotiated and therefore remain constant throughout the life of the contract or are adjusted through escalation clauses. Generally, contract prices do not fluctuate widely.

Contract Price (Fuel): The price (and quantities) of fuels marketed through contracts usually covering a supply period of 1 or more years. The prices set in the contract reflect the market conditions at the time the contract is negotiated. These prices should hold throughout the life of the contract, unless adjustments are authorized through price and/or cost escalation clauses. (See Price.)

Contract Receipts: Purchases based on a negotiated agreement that generally covers a period of 1 or more years.

Cost: The amount paid to acquire resources such as plant and equipment, fuel, or labor services. Fixed costs in the electric utility industry are associated with resources that cannot be changed easily during a short time span (such as plant and equipment) and are independent of the level of generation. Variable costs are associated with resources that can vary during a given time period (such as fuel or labor services) and are directly related to the level of generation.

Cost (Cents per Million Btu): The value of the fuel is measured by computing the cents per million Btu of the fuel to be consumed. The fuel is then purchased on the basis of its heat content. The calculation is done by taking the total cost of fuel and dividing it by the fuel's Btu content; the quotient is then multiplied by 1 million.

Cost (Dollars per Bbl): The monetary amount paid for the good acquired, quoted in dollars per unit barrel.

Cost (Dollars per Mcf): The monetary amount paid for the good acquired, quoted in dollars per thousand cubic feet.

Cost (Dollars per Ton): The monetary amount paid for the good acquired, quoted in dollars per unit ton.

Cost (Fuel): The monetary amount or the value of consideration-in-kind in goods and services given by the buyer to the seller to acquire fuel.

Crude Oil (including Lease Condensate): A mixture of hydrocarbons that existed in liquid phase in underground reservoirs and that remains liquid at atmospheric pressure after passing through surface separating facilities. Included are lease condensate and liquid hydrocarbons produced from tar sands, gilsonite, and shale oil. Drip gases are also included, but topped crude oil (residual oil) and other unfinished oils are excluded. Liquids produced at natural gas processing plants and mixed with crude oil are likewise excluded where identifiable. (See Petroleum.)

Distillate Fuel Oil: A general classification for one of the petroleum fractions produced in conventional distillation operations. It is used primarily for space heating, on-and-off-highway diesel engine fuel (including railroad engine fuel and fuel for agriculture machinery), and electric power generation. Included are products known as No. 1, No. 2, and No. 4 fuel oils; No. 1, No. 2, and No. 4 diesel fuels.

EIA: The Energy Information Administration. An independent agency within the U.S. Department of Energy that develops surveys, collects energy data, and does analytical and modeling analysis of energy issues. The Agency must meet the requests of Congress, other elements within the Department of Energy, Federal Energy Regulatory Commission, the Executive Branch, its own independent needs, and assist the general public, or other interest groups, without taking a policy position.

Electric Plant: A station containing prime movers, electric generators, and auxiliary equipment for converting mechanical, chemical, and/or fission energy into electric energy.

Electric Utility: A corporation, person, agency, authority, or other legal entity or instrumentality that owns and/or operates facilities within the United States, its territories, or Puerto Rico for the generation, transmission, distribution, or sale of electric energy, primarily for use by the public. An entity that solely operates qualifying facilities under the Public Utility Regulatory Policies Act of 1978 is not considered an electric utility.

Energy: The capacity for doing work as measured by the capability of doing work (potential energy) or the conversion of this capability to motion (kinetic energy). Energy has several forms, some of which are easily convertible and can be changed to another form useful for work. Most of the world's convertible energy comes from fossil fuels that are burned to produce heat that is then used as a transfer medium to mechanical or other means in order to accomplish tasks. Electrical energy is usually measured in kilowatthours, while heat energy is usually measured in British thermal units. (See Energy Source.)

Energy Source: The primary source that provides the power that is converted to electricity through chemical, mechanical, or other means. Energy sources include coal, petroleum and petroleum products, gas, water, uranium, wind, sunlight, geothermal, and other sources.

Federal Energy Regulatory Commission (FERC): The Federal agency with jurisdiction over interstate electricity sales, wholesale electric rates, hydroelectric licensing, natural gas pricing, oil pipeline rates, and gas pipeline certification. FERC is an independent regulatory agency within the Department of Energy.

Federal Power Commission: The predecessor agency of the Federal Energy Regulatory Commission. The Federal Power Commission was created by an Act of Congress under the Federal Water Power Act on June 10, 1920. It was charged originally with regulating the electric power and natural gas industries. It was abolished on September 30, 1977, when the Department of Energy was created. Its functions were divided between the Department of Energy and the Federal Energy Regulatory Commission, an independent regulatory agency. (See Federal Energy Regulatory Commission.)

FERC Form 423: The "Monthly Report of Cost and Quality of Fuels for Electric Plants," which collects data on the cost, quality, and sources of fuel. Approximately 225 electric utilities report for each fossil-fueled plant having a total steam generating capacity of 50 or more megawatts.

FERC Guidelines: A compilation of the Federal Energy Regulatory Commission's enabling statutes, procedural and program regulations, and orders, opinions and decisions.

Firm Gas: Gas sold on a continuous and generally long-term contract.

Fossil Fuel: Any naturally occurring organic fuel, such as coal, crude oil, and natural gas.

Fossil Fuel Plant: A plant using coal, petroleum, or gas as its source of energy.

Fuel: Any substance that can be burned to produce heat; also, materials that can be fissioned in a chain reaction to produce heat.

Gas: Includes natural gas, coke-oven gas, blast-furnace gas, and refinery gas. Manufactured gas is reported as natural gas on FERC Form 423. (See Natural Gas.)

Gas-Turbine Plant: A plant in which the prime mover is a gas turbine. A gas turbine consists typically of an axial-flow air compressor, one or more combustion chambers where liquid or gaseous fuel is burned and the hot gases are passed to the turbine; where the hot gases expand to drive the generator and then are used to run the compressor.

Generation: The process of producing electric energy by transforming other forms of energy; also, the amount of electric energy produced, expressed in kilowatthours. (See Electric Plant, Energy.)

Generator Nameplate Capacity: The full-load continuous rating of a generator, prime mover, or other electrical equipment under specified conditions as designated by the manufacturer. Generator nameplate capacity is usually indicated on a nameplate attached physically to the equipment. Installed station capacity does not include auxiliary or house units.

Heavy Oil: The fuel oils remaining after the lighter oils have been distilled off during the refining process. Except for start-up and flame stabilization, virtually all petroleum used in steam plants is heavy oil.

Holding Company: A corporation (parent company) that directly or indirectly owns a majority of all of the voting securities of one or more companies located in the same, contiguous States, or operating independent integrated public-utility systems in noncontiguous States. A holding company is so structured to bring companies that can best be operated as part of an integrated public-utility system under one management. Many States do not permit or authorize a registered utility company to acquire ownership or operation of a electric or gas utility company serving substantially the same territory. The Securities and Exchange Commission, as administrator of the Public Utility Holding Company Act of 1935 (15 U.S.C.

79-79z-6), defines a holding company as "a company which...owns, controls...10 percent or more of the outstanding voting securities a public utility company." (See Interlocking Directorates.)

Interlocking Directorates: The holding of a significant position in management or a position on the corporate board of a utility, while simultaneously holding a comparable position with another utility, or with a firm doing business with the utility. (See Holding Company.)

Internal Combustion Plant: A plant in which the prime mover is an internal combustion engine. An internal combustion engine has one or more cylinders in which the process of combustion takes place, converting energy released from the rapid burning of a fuel-air mixture into mechanical energy. Diesel or gas-fired engines are the principal types used in electric plants. The plant is usually operated during periods of high demand for electricity.

: Gas sold to customers with a provision that permits curtailment or cessation of service and at the discretion of the distributing company under certain circumstances as specified in the service contract.

Light Oil: Lighter fuel oils distilled off during the refining process. Virtually all petroleum used in internal combustion and gas-turbine engines is light oil.

Lignite: Lignite, the lowest rank of coal, is brownish black and has a high moisture content, sometimes as high as 45 percent. It tends to disintegrate when exposed to the weather. The heat content of lignite ranges from 9 to 17 million Btu per ton as received and averages about 14 million Btu per ton. The ignition temperature is approximately 600 degrees Fahrenheit. Lignite is mined in California, Louisiana, Montana, North Dakota, and Texas, and is used mainly to generate electricity in power plants that are relatively close to the mines.

MMBtu: An abbreviation for one million British thermal units, which is an energy or heating value measurement that is normally used for petroleum and gas applications.

Mcf: One thousand cubic feet.

Megawatt (MW): One million watts. (See Watt.)

Megawatthour (MWh): One million watthours. (See Watthour.)

MMcf: Purchases of fuel.

Natural Gas: A naturally occurring mixture of hydrocarbon and nonhydrocarbon gases found in porous geological formations beneath the earth's surface, often in association with petroleum. The principal constituent is methane.

Net Generation: Gross generation less plant use, measured at the high-voltage terminals of the station's step-up transformer. The energy required for pumping at pumped-storage plants is regarded as plant use and must be deducted from the gross generation. (See Generation, Electric Plant.)

Net Summer Capability: The steady hourly output which generating equipment is expected to supply to system load (exclusive of auxiliary) power as demonstrated by tests at the time during summer peak demand.

No. 2 Fuel Oil: A distillate fuel oil for use in atomizing type burners for domestic heating or for moderate capacity commercial-industrial burner units. ASTM Specification D396 specifies for this grade distillation temperatures at the 90-percent point between 540 degrees and 640 degrees F., and kinematic viscosities between 2.0 and 3.6 centistokes at 100 degrees F.

No. 4 Fuel Oil: A fuel oil for commercial burner installations not equipped with preheating facilities; used extensively in industrial plants. This grade is a blend of distillate fuel oil and residual fuel oil stocks that conform to ASTM Specification D396 or Federal Specification VV-F-815C; its kinematic viscosity is between 5.8 and 26.4 centistokes at 100 degrees F. Also included is No. 4-D, a fuel oil for low- and medium-speed diesel engines that conforms to ASTM Specification D975.

Off-Peak Gas: Gas which is to be delivered and taken on demand when demand is not at its peak. (See Spot Purchases.)

Other Gas: Includes manufactured gas, coke-oven gas, blast-furnace gas, and refinery gas. Manufactured gas is obtained by distillation of coal, by the thermal decomposition of oil, or by the reaction of steam passing through a bed of heated coal or coke. (See Natural Gas)

Percent Difference: The relative change in a quantity over a specified time period. It is calculated as follows: The current value number has the previous value number subtracted from it, and this new number is divided by the absolute value of the previous value number; then this new number is multiplied by 100.

Petroleum: A mixture of hydrocarbons existing in the liquid state found in natural underground reservoirs, often associated with gas. Petroleum includes Fuel Oil 2, 4, 5, 6, topped crude, kerosene, and jet fuel. (See Petroleum (Crude Oil.))

Petroleum Coke: A residue, high in carbon content and low in hydrogen, that is the final product of thermal decomposition in the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion factor is 5 barrels (of 42 U.S. gallons each) per short ton.

Petroleum (Crude Oil): A naturally occurring, oily, flammable liquid composed principally of hydrocarbons. Crude oil is occasionally found in springs or pools but usually is drilled from wells beneath the earth's surface.

Plant: A station at which are located prime movers, electric generators, and auxiliary equipment for converting mechanical, chemical, and/or nuclear energy into electric energy. A station may contain more than one type of prime mover. Electric utility plants exclude stations that satisfy the definition of qualifying facility under the Public Utility Regulatory Policies Act of 1978.

Price: The amount of money or consideration-in-kind for which a service is bought, sold, or offered for sale.

Prime Mover: The engine, turbine, water wheel, or similar machine that drives an electric generator.

Receipts: Purchases of fuel.

Residual Fuel Oil: The topped crude of refinery operation; includes No. 5 and No.6 fuel oils as defined in ASTM Specification D396 and Federal Specification VV-F-815C, Navy Special fuel oil as defined in Military Specification MIL-F-859E including Amendment 2 (NATO Symbol F-77), and Bunker C fuel oil. Residual fuel oil is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes. Imports of residual fuel oil include "Imported Crude Oil Burned as Fuel."

Short Ton: A unit of weight equal to 2,000 pounds.

Spot Purchases: A single shipment of fuel or volumes of fuel, purchased for delivery within 1 year. Often made by a user to fulfill a certain portion of energy requirements, to meet unanticipated energy needs, or to take advantage of low fuel prices.

Station (Electric): A plant containing prime movers, electric generators, and auxiliary equipment for converting mechanical, chemical, and/or nuclear energy into electric energy.

Steam-Electric Plant (Conventional): A plant in which the prime mover is a steam turbine. The steam used to drive the turbine is produced in a boiler where fossil fuels are burned.

Stocks (Fuel): A supply of fuel accumulated for future use. This includes coal and fuel oil stocks at the plant site, in coal cars, tanks, or barges at the plant site, or at separate storage sites.

Subbituminous Coal: Subbituminous coal, or black lignite, is dull black and generally contains 20 to 30 percent moisture. The heat content of subbituminous coal ranges from 16 to 24 million Btu per ton as received and averages about 18 million Btu per ton. Subbituminous coal, mined in the western coal fields, is used for generating electricity and space heating.

System (Electric): Physically connected generation, transmission, and distribution facilities operated as an integrated unit under one central management, or operating supervision.

Turbine: A machine for generating rotary mechanical power from the energy in a stream of fluid (such as water, steam, or hot gas). Turbines convert the kinetic energy of fluids to mechanical energy through the principles of impulse and reaction, or a mixture of the two.

Watt: The electrical unit of power. The rate of energy transfer equivalent to 1 ampere flowing under a pressure of 1 volt at unity power factor.

Watthour (Wh): An electrical energy unit of measure equal to 1 watt of power supplied to, or taken from, an electric circuit steadily for 1 hour.

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